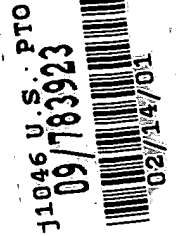


#5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert J. McMillen et al. Examiner: Le Hien Luu
Serial No.: Group Art Unit: 2152
Filed: February 14, 2001 Docket: 5104.05
Title: MULTICAST TRANSMISSIONS IN A MULTISTAGE INTERCONNECT NETWORK



CERTIFICATE OF MAILING UNDER 37 CFR 110
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By: Isabell Ogata
Name: Isabell Ogata

SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Submitted herewith are 35 sheets of Formal Drawings for the above-identified patent application.

Respectfully submitted,

Robert J. McMillen et al.

By their attorneys,

GATES & COOPER LLP

Howard Hughes Center
6701 Center Drive West, Suite 1050
Los Angeles, CA 90045
(310) 641-8797

Date: February 14, 2001

By: George H. Gates
Name: George H. Gates
Reg. No.: 33,500

GHG/io

SCANNED # 44

FIG. 1A

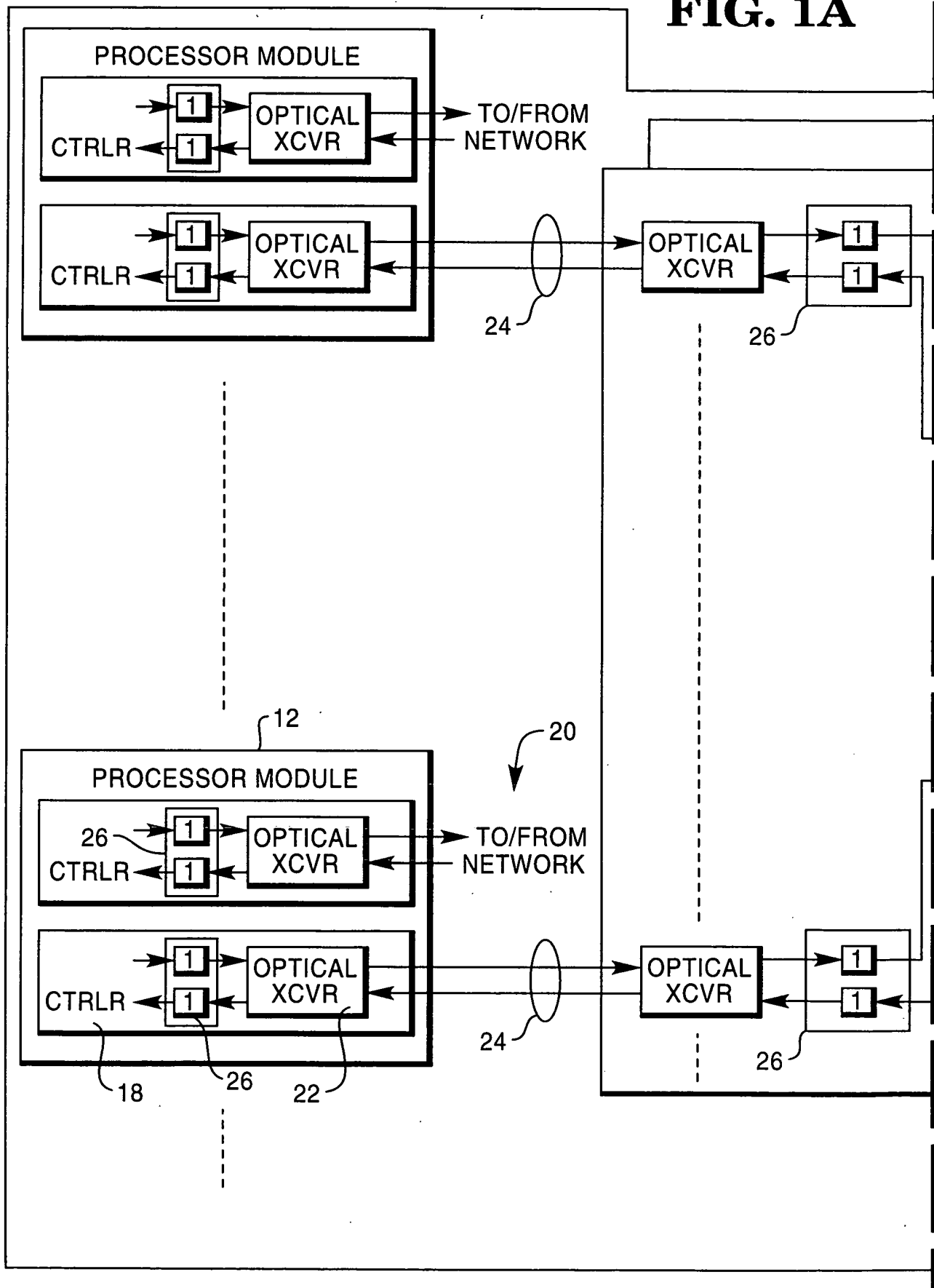
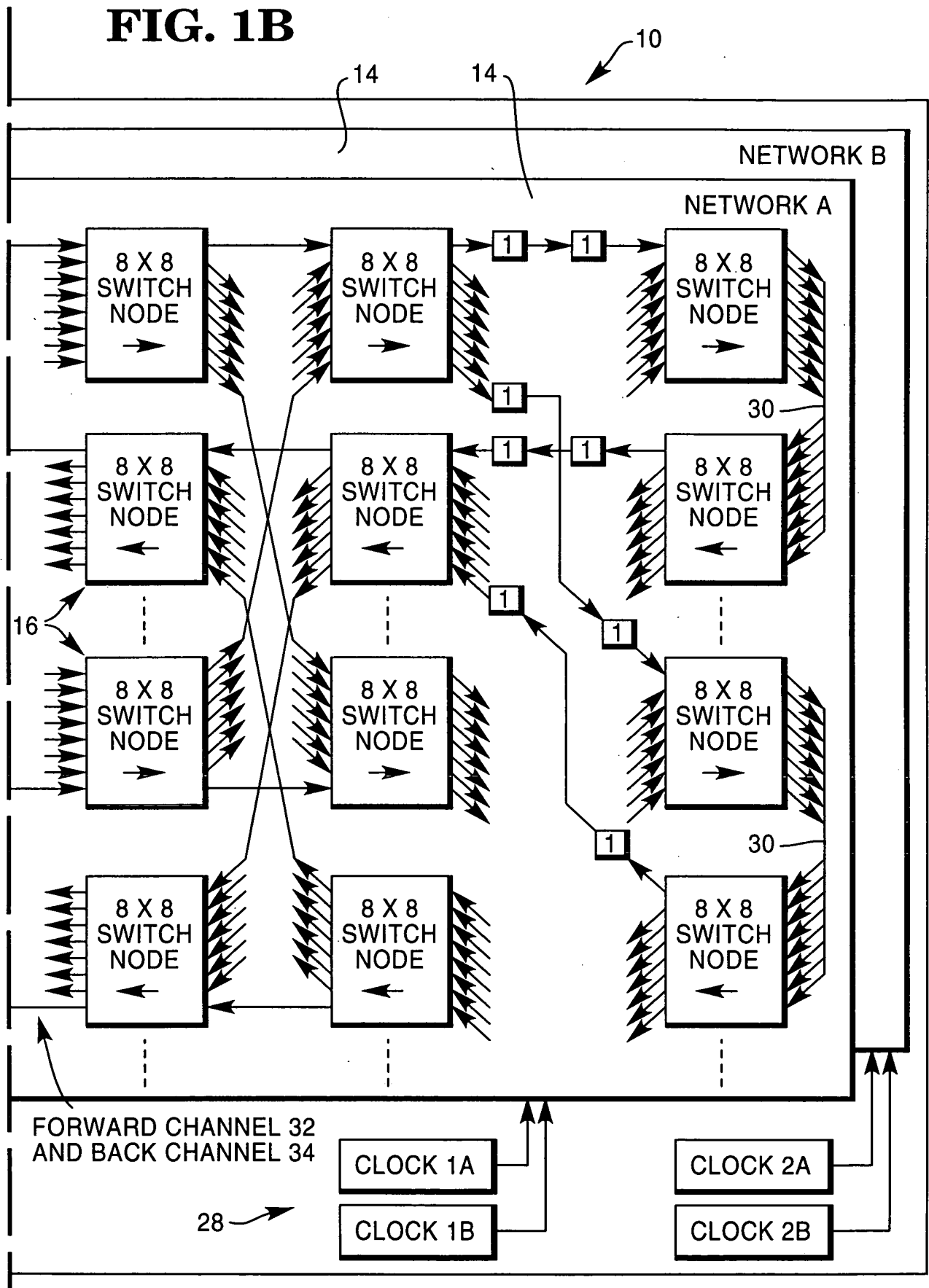


FIG. 1B



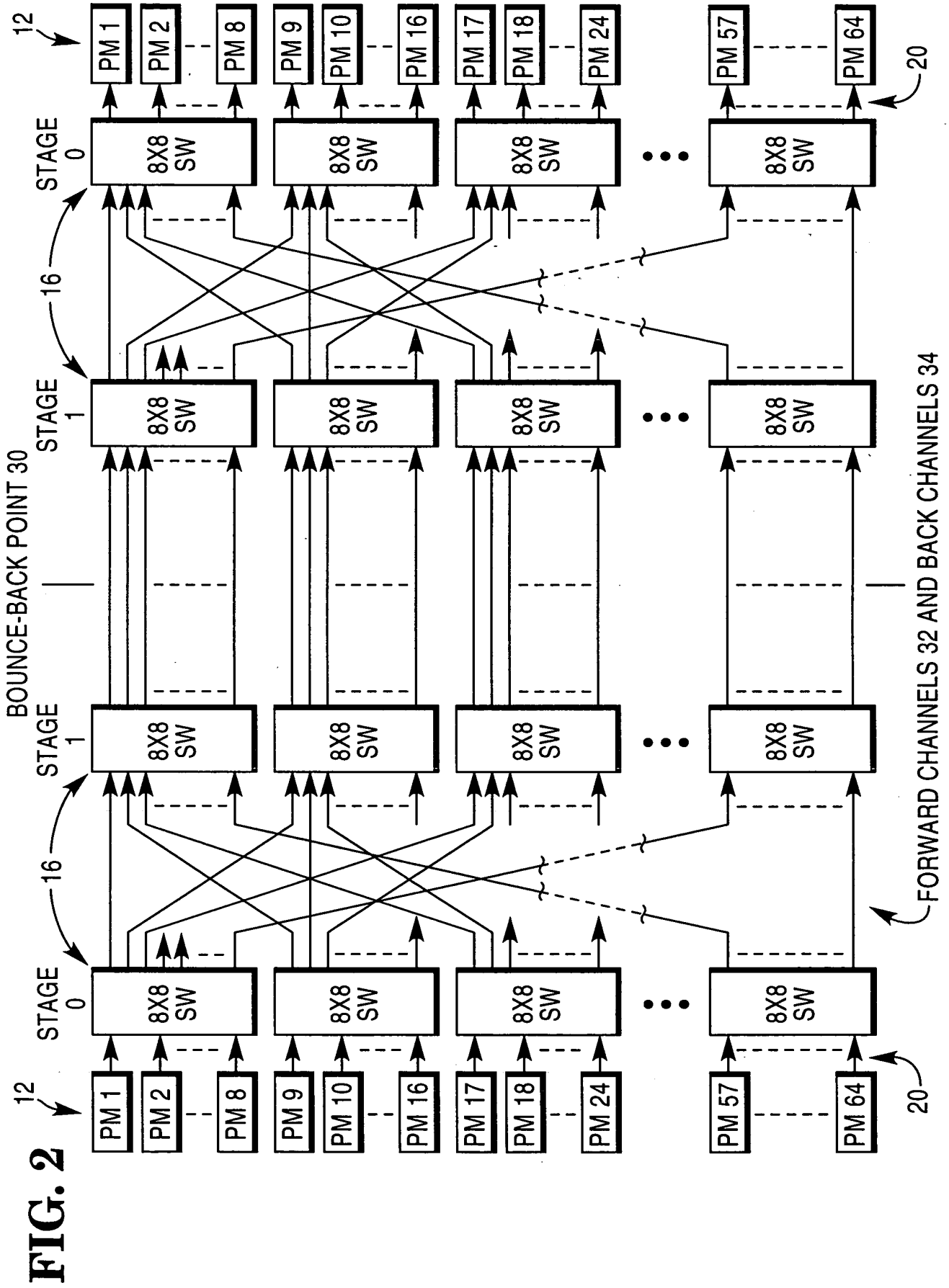


FIG. 3

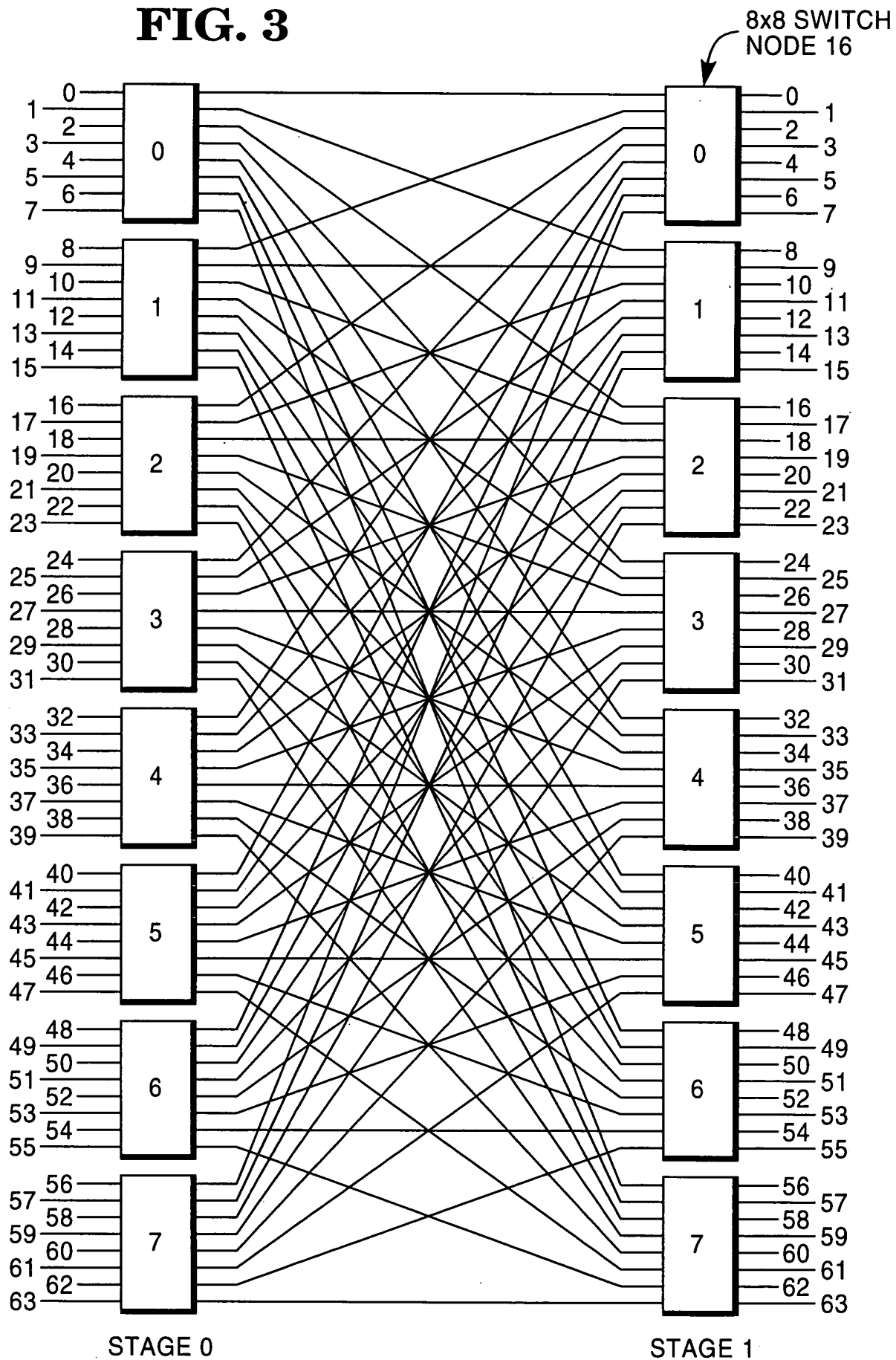
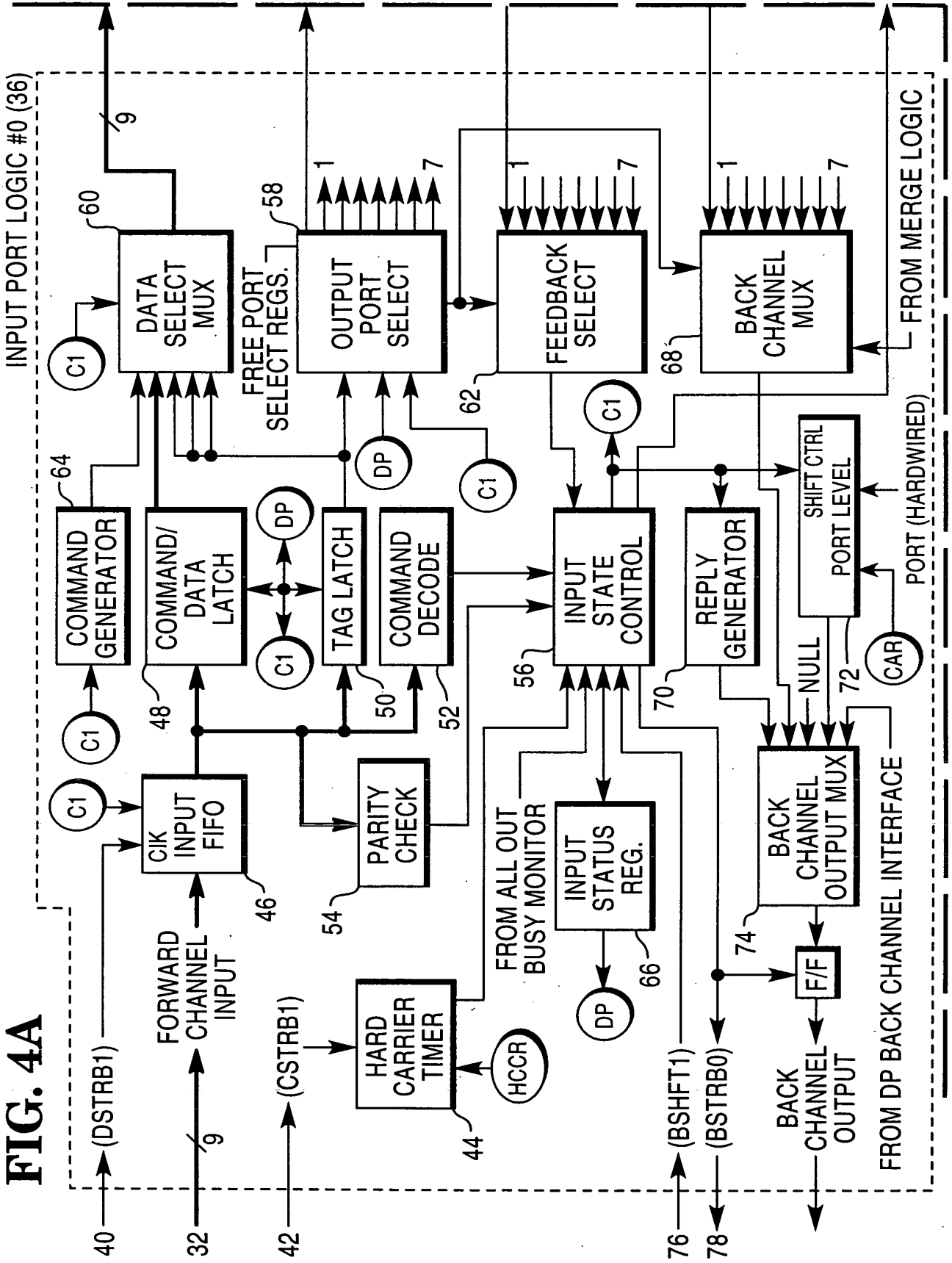


FIG. 4A



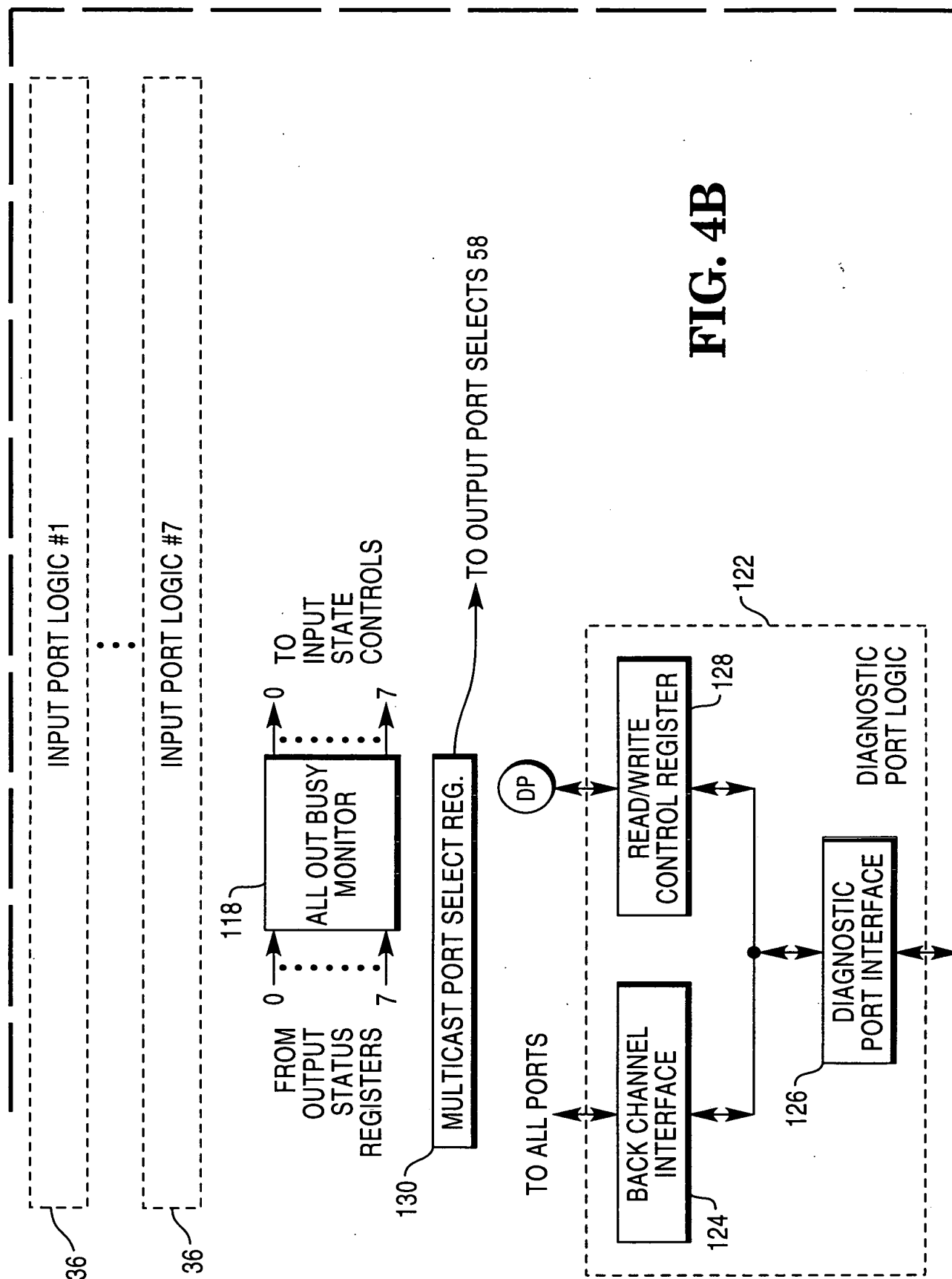
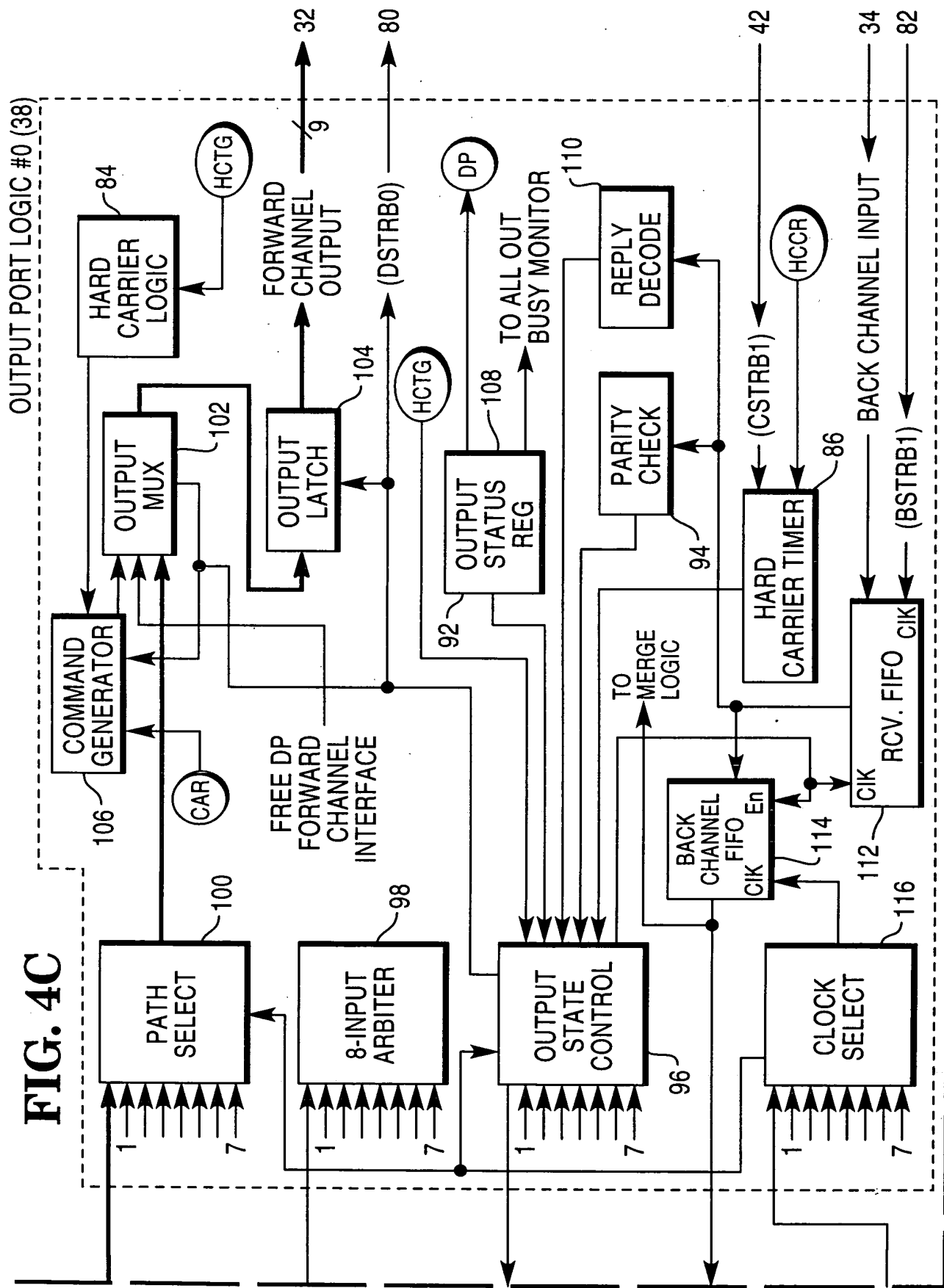


FIG. 4B

FIG. 4C



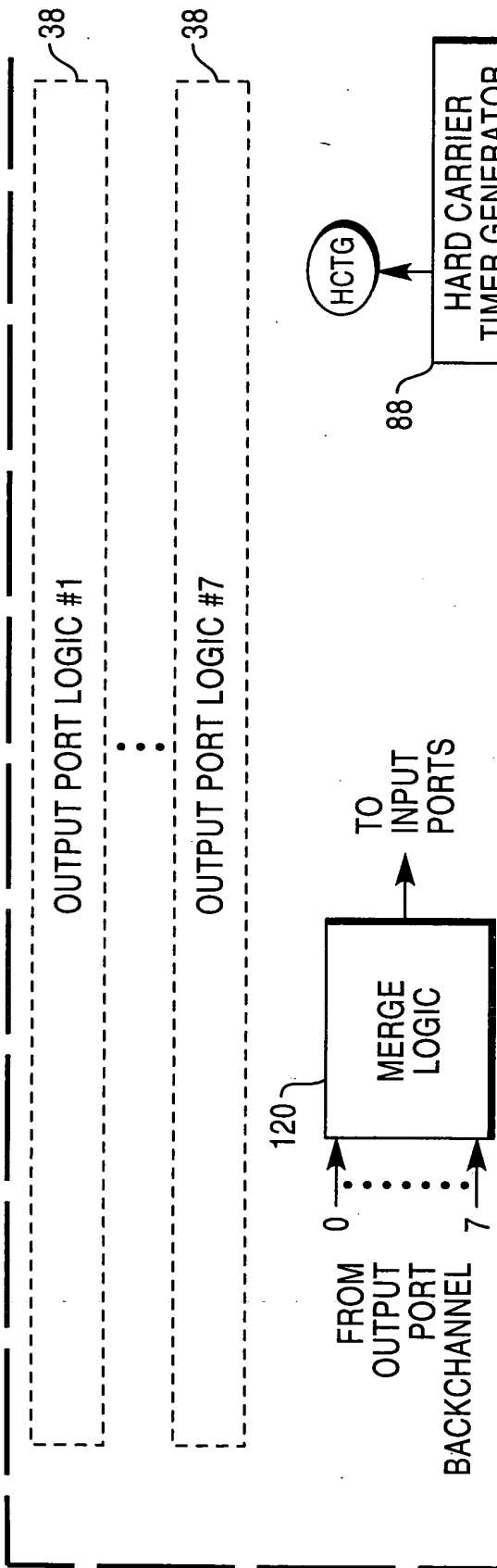


FIG. 4D

FIG. 4

FIG. 4A	FIG. 4C
FIG. 4B	FIG. 4D

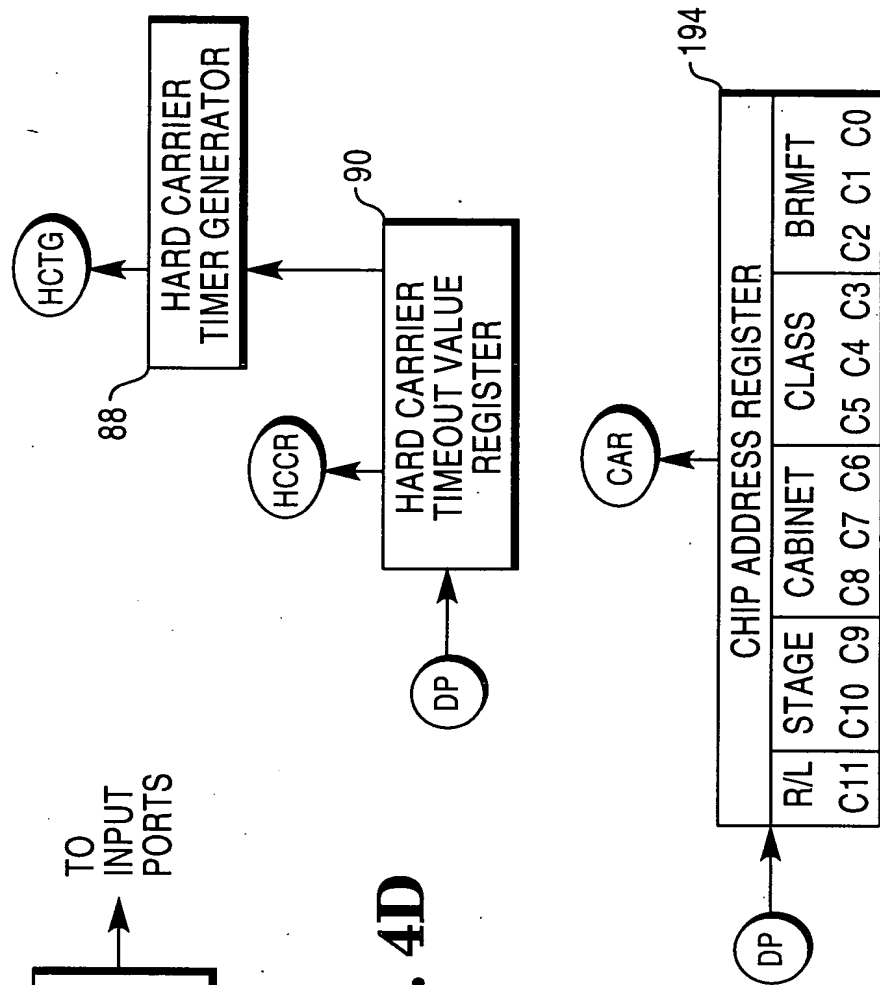


FIG. 5

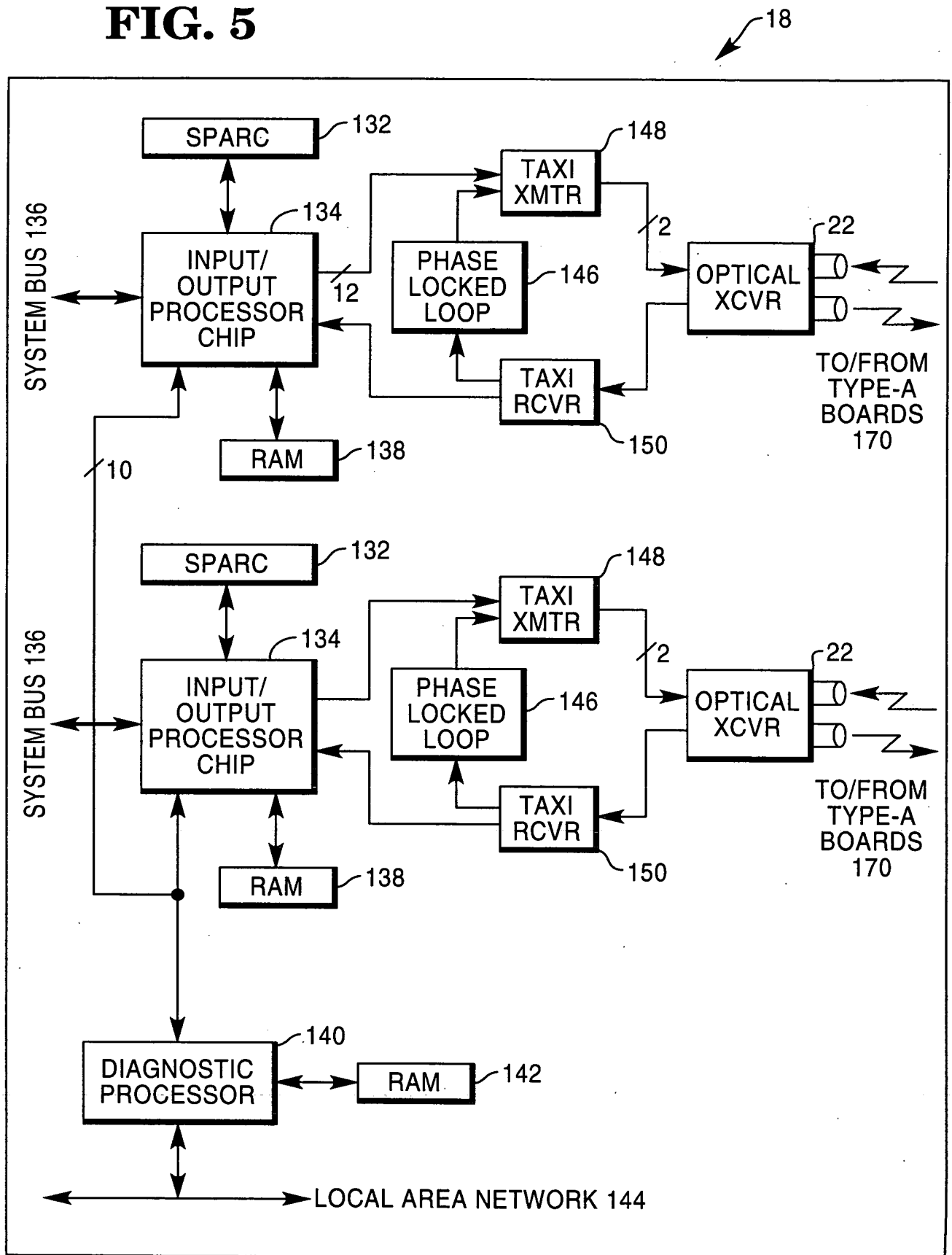


FIG. 6A

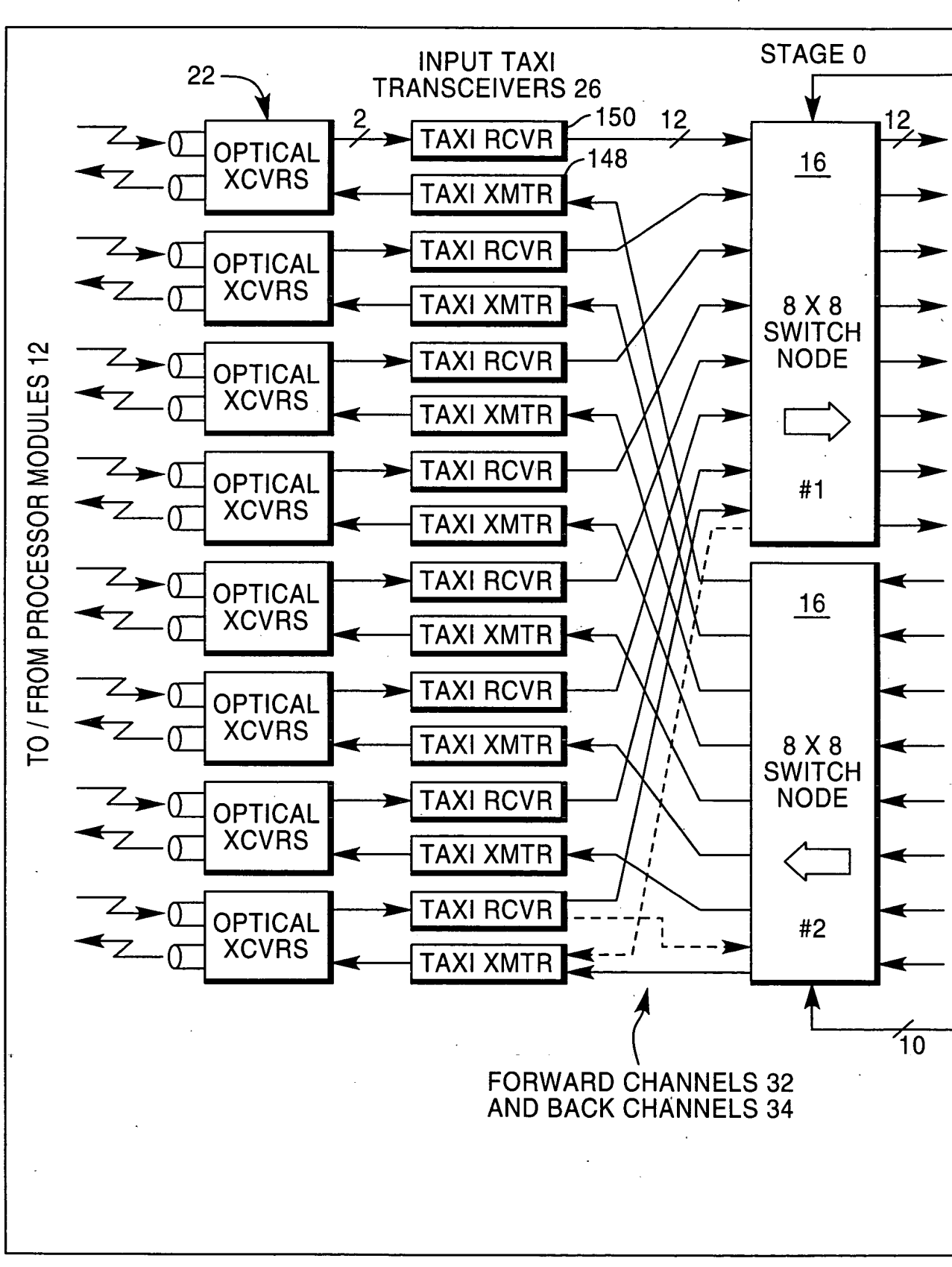


FIG. 6B

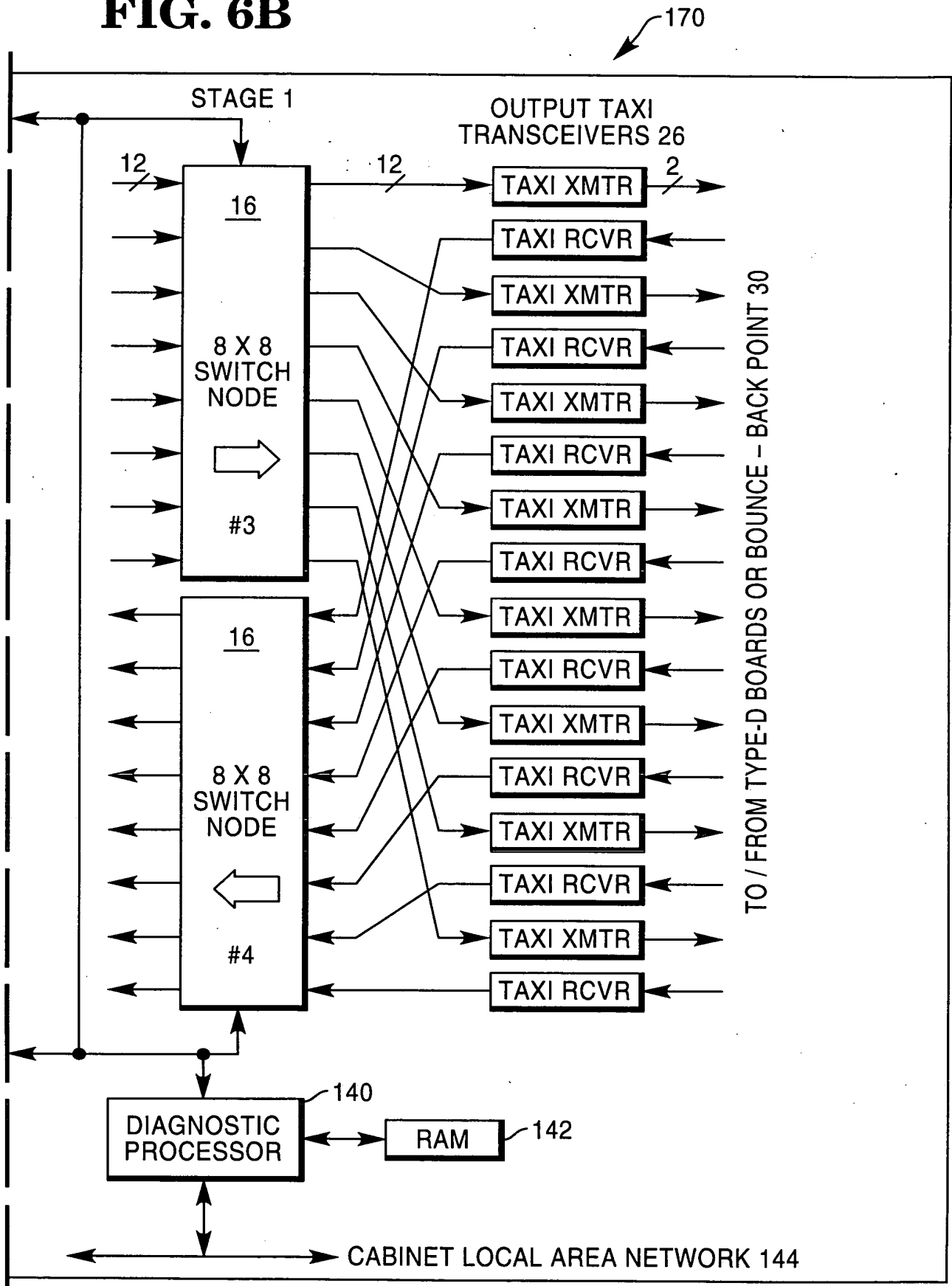


FIG. 7A

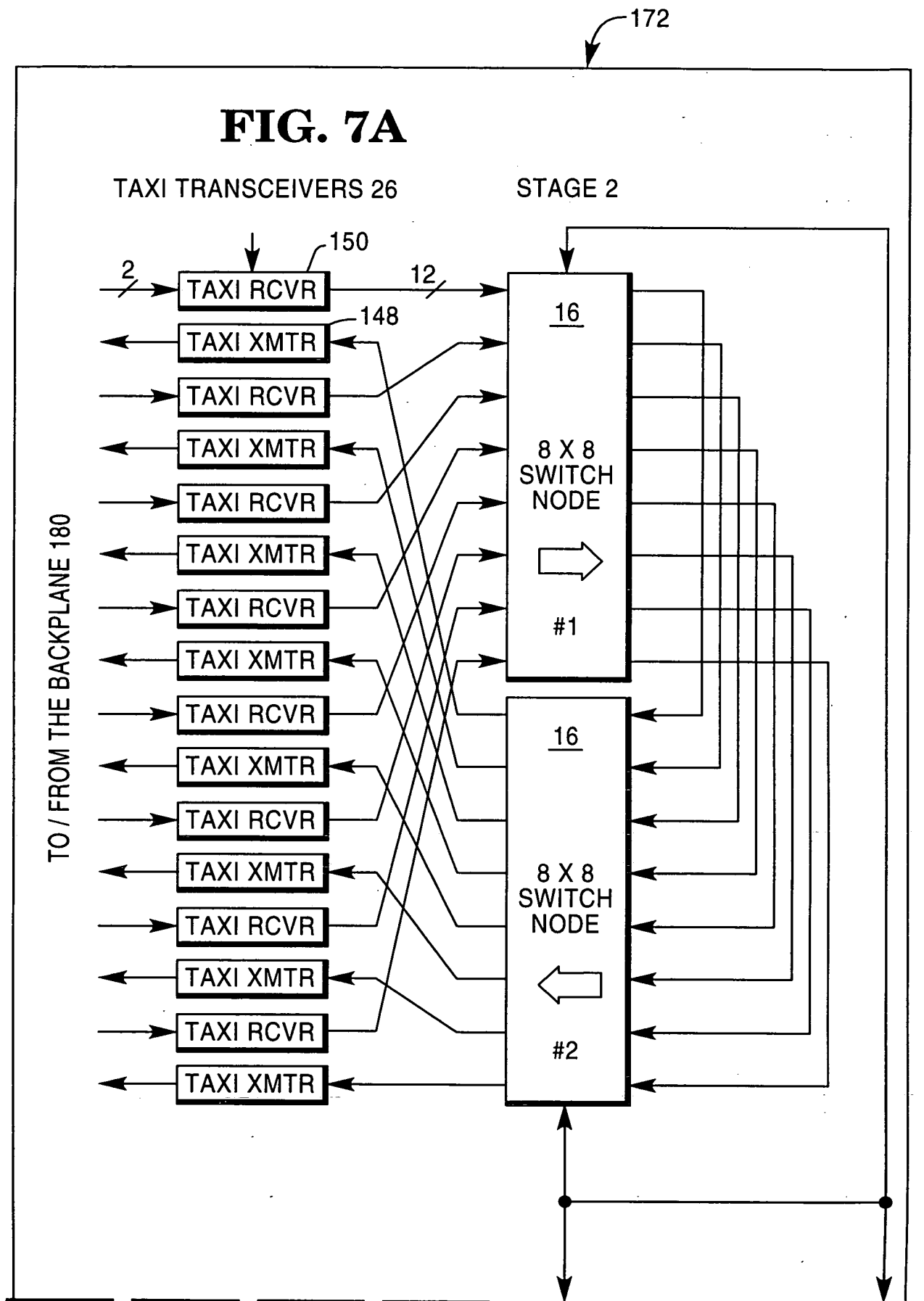
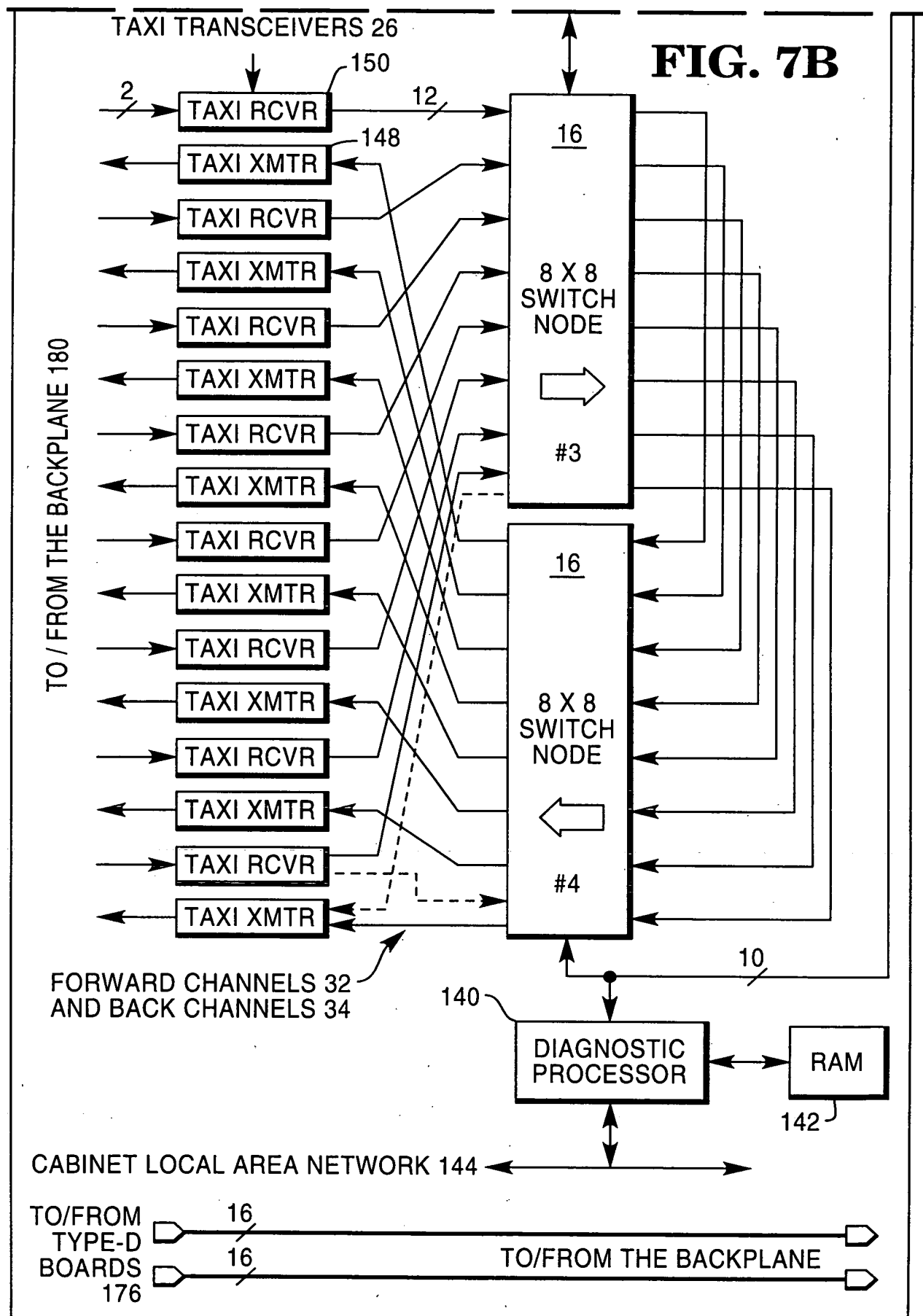
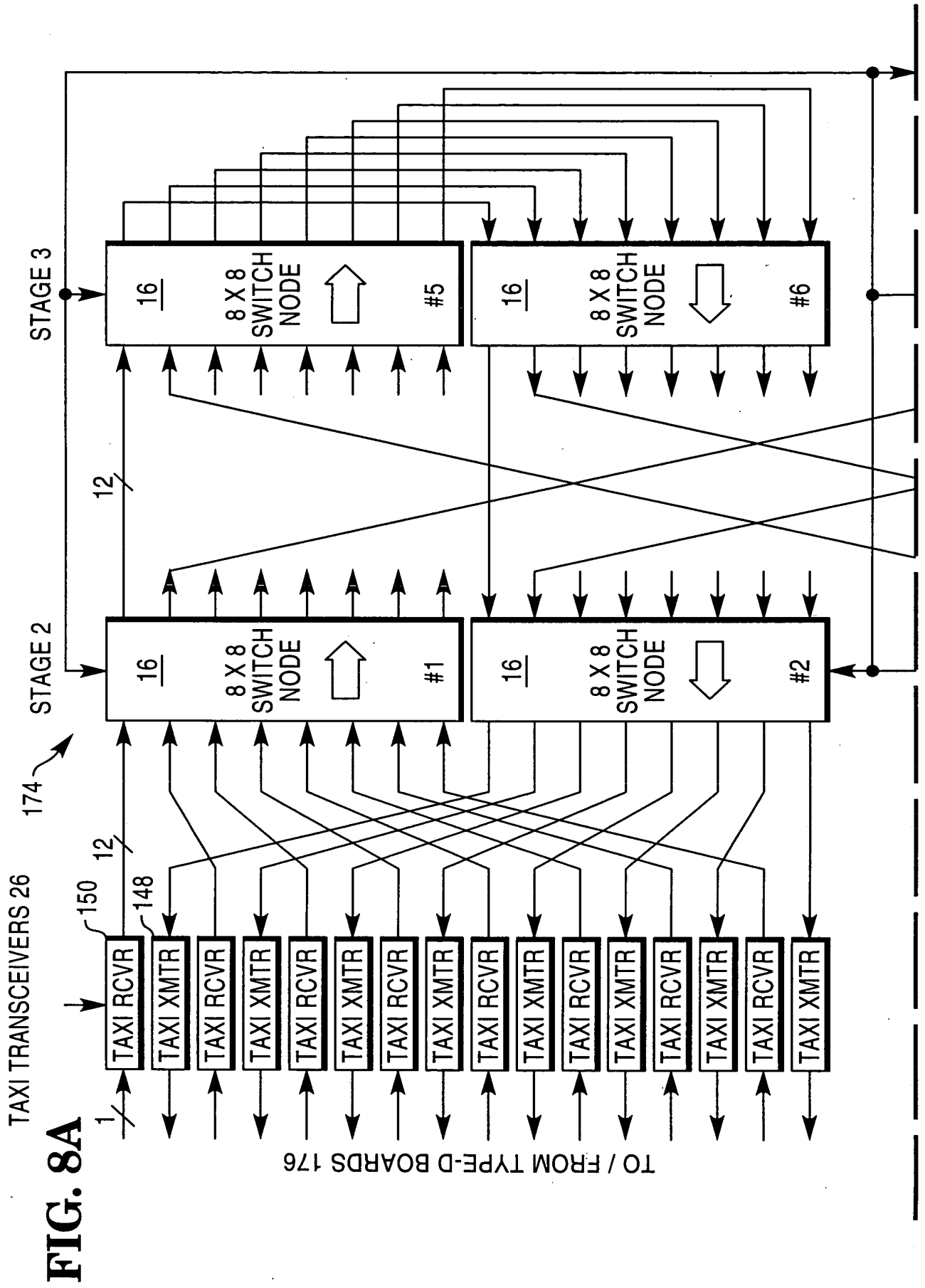


FIG. 7B





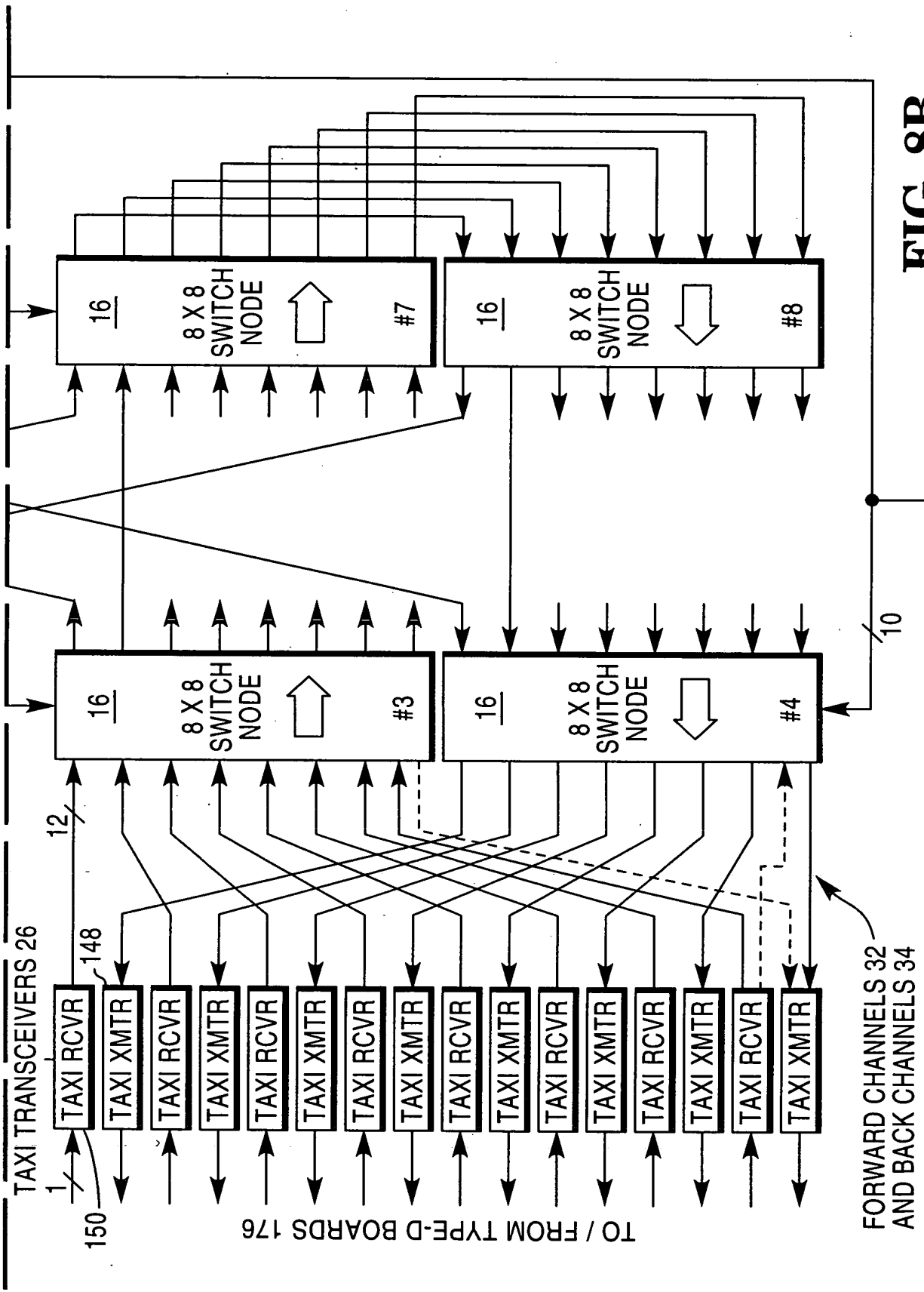


FIG. 8B

FIG. 8C

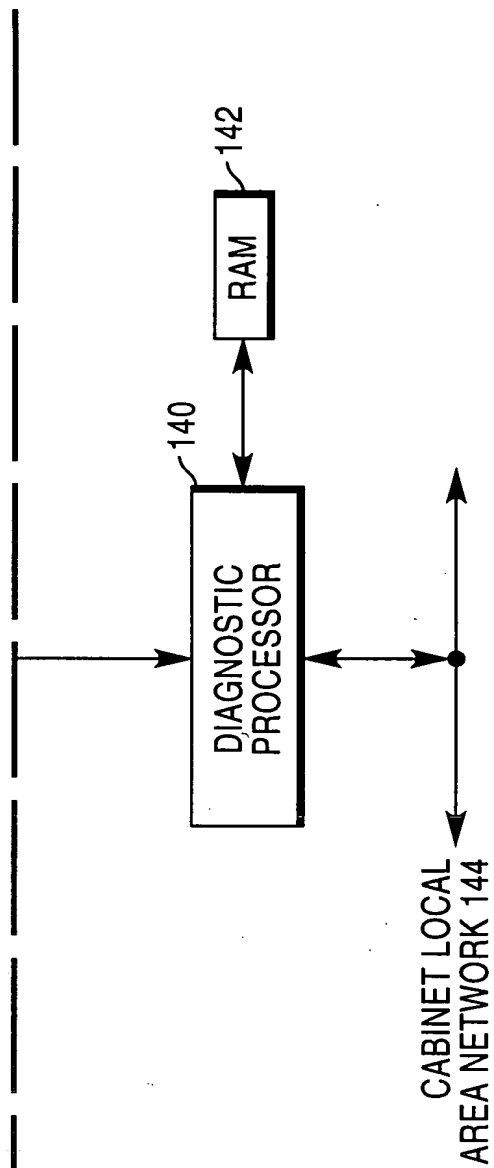
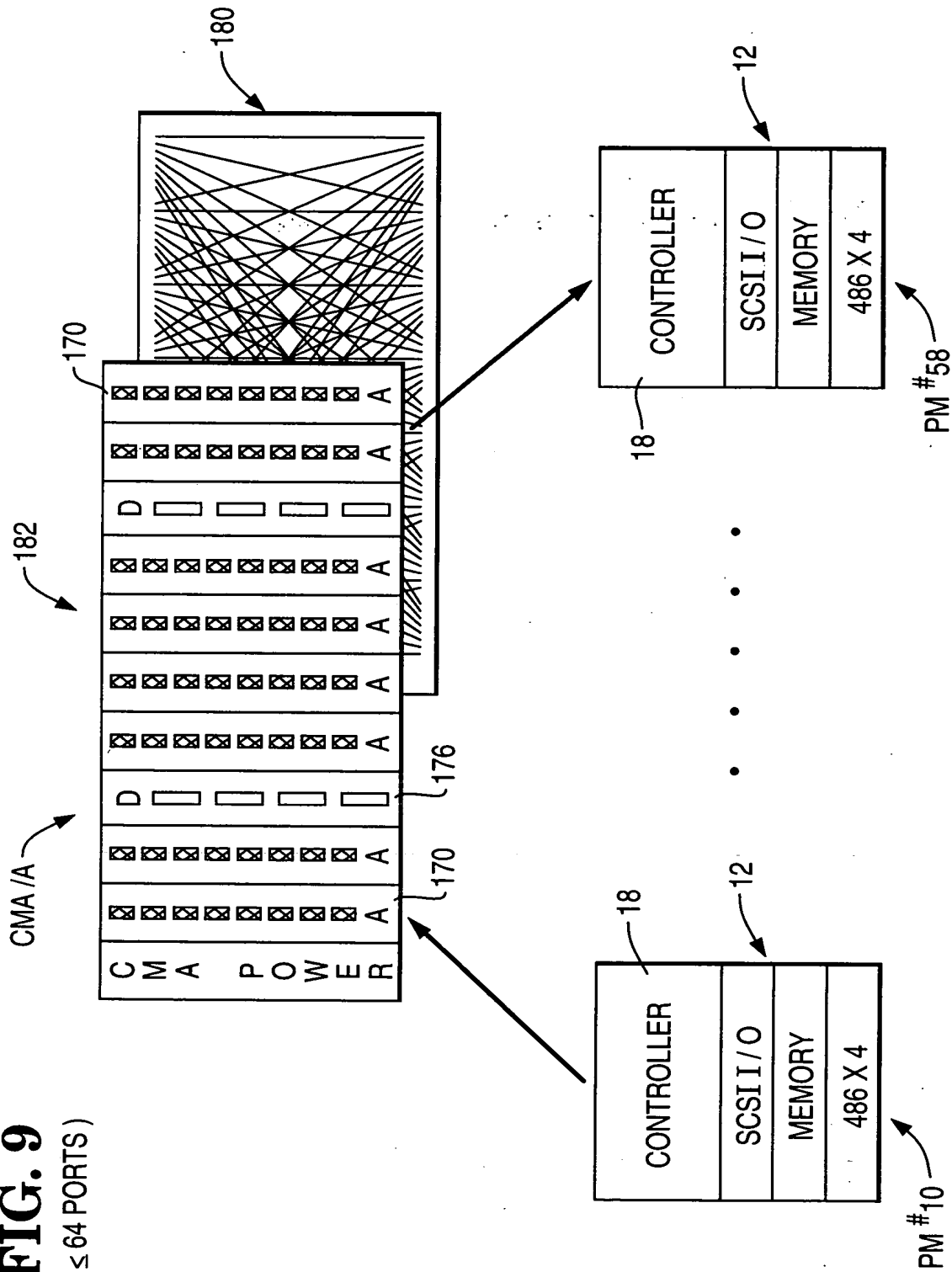
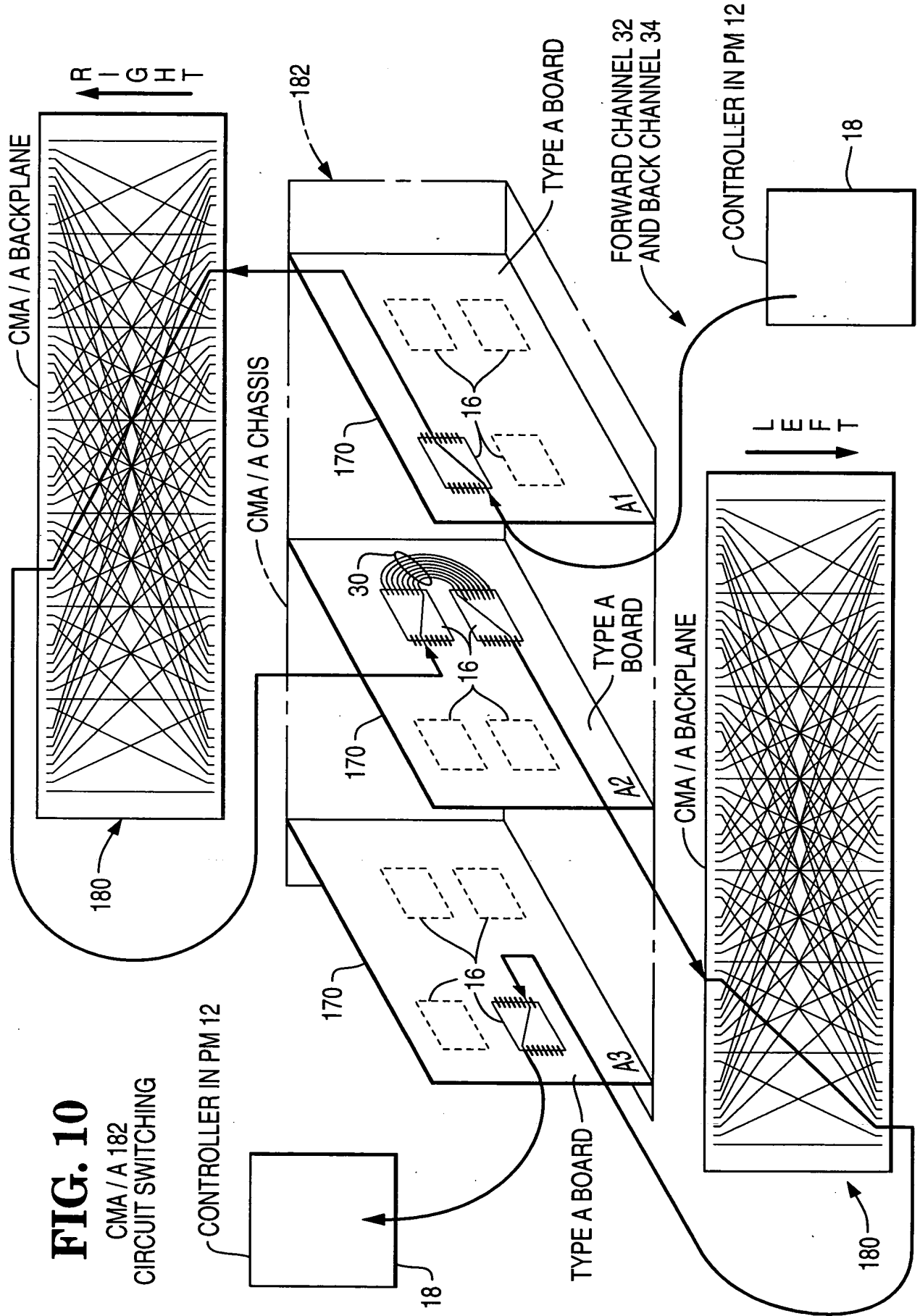


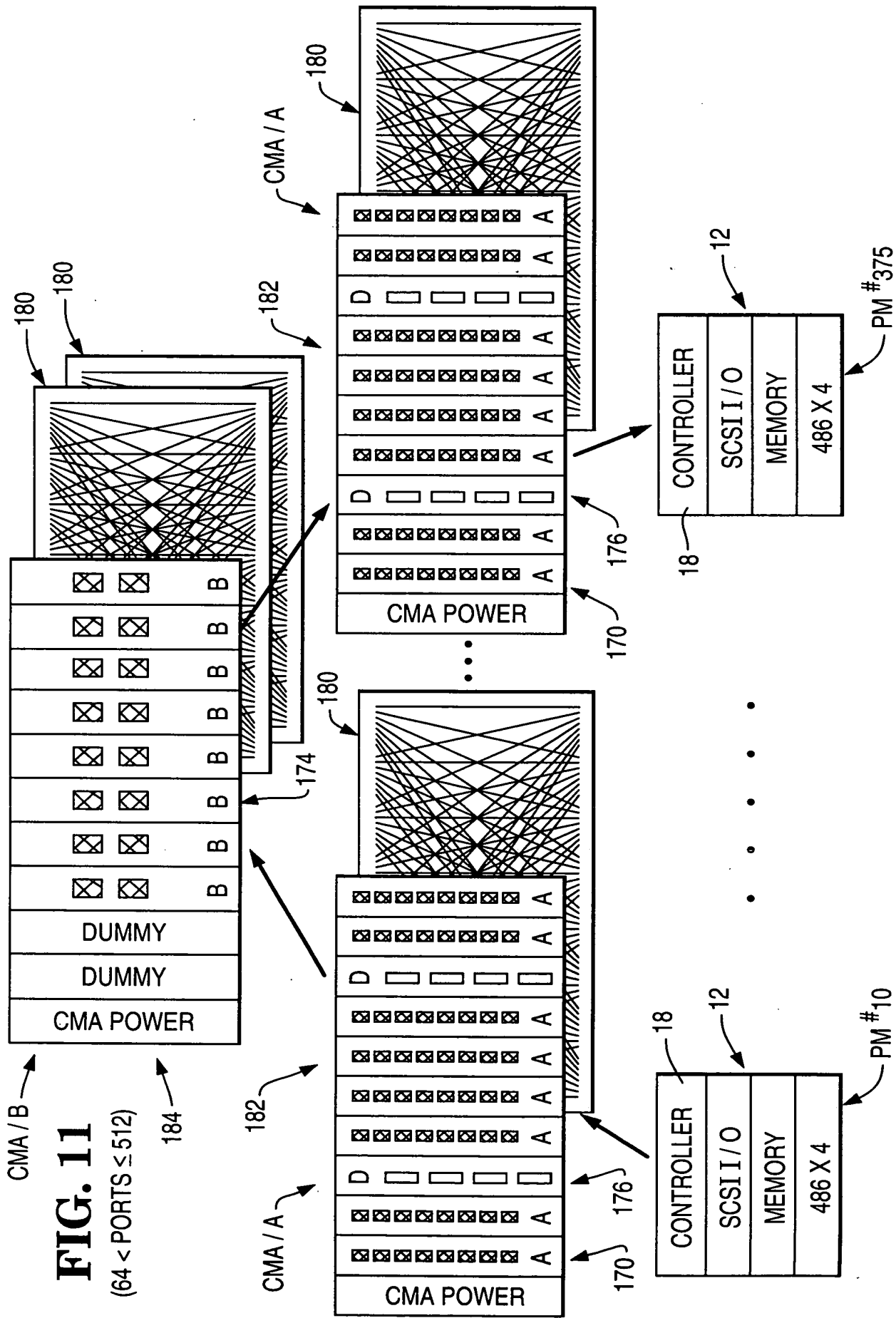
FIG. 8

FIG. 8A
FIG. 8B
FIG. 8C

FIG. 9
(≤ 64 PORTS)







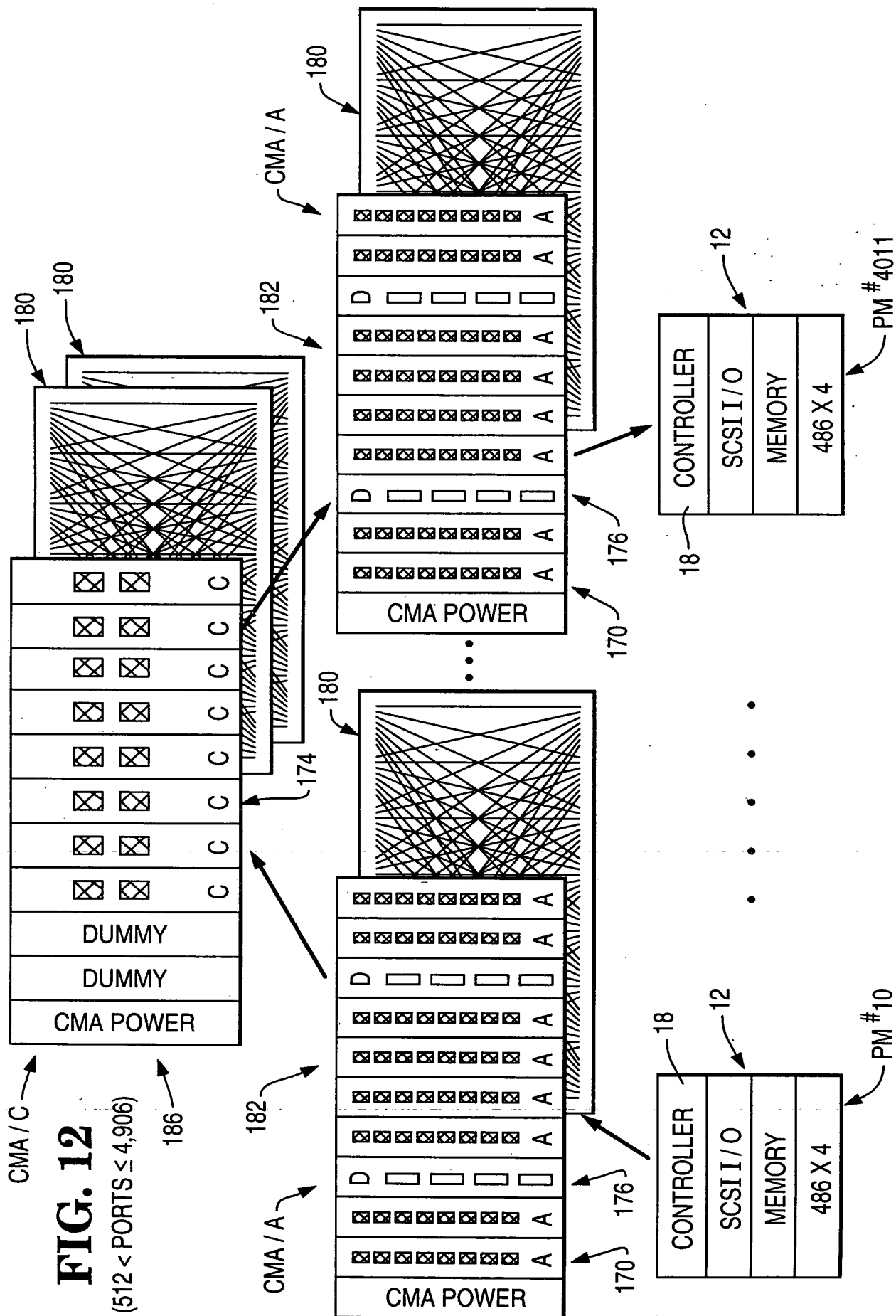
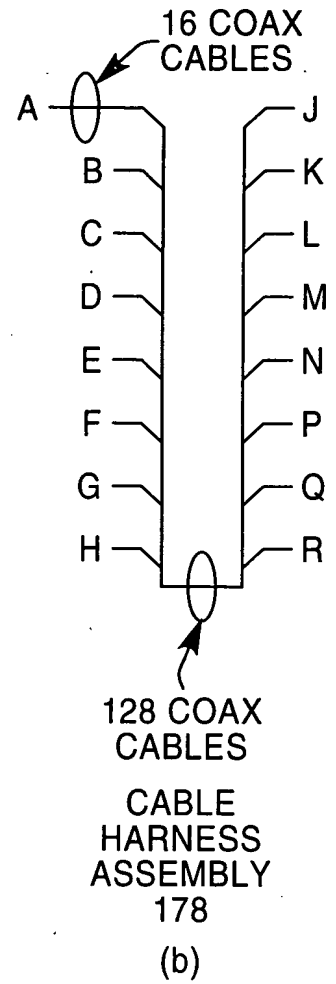
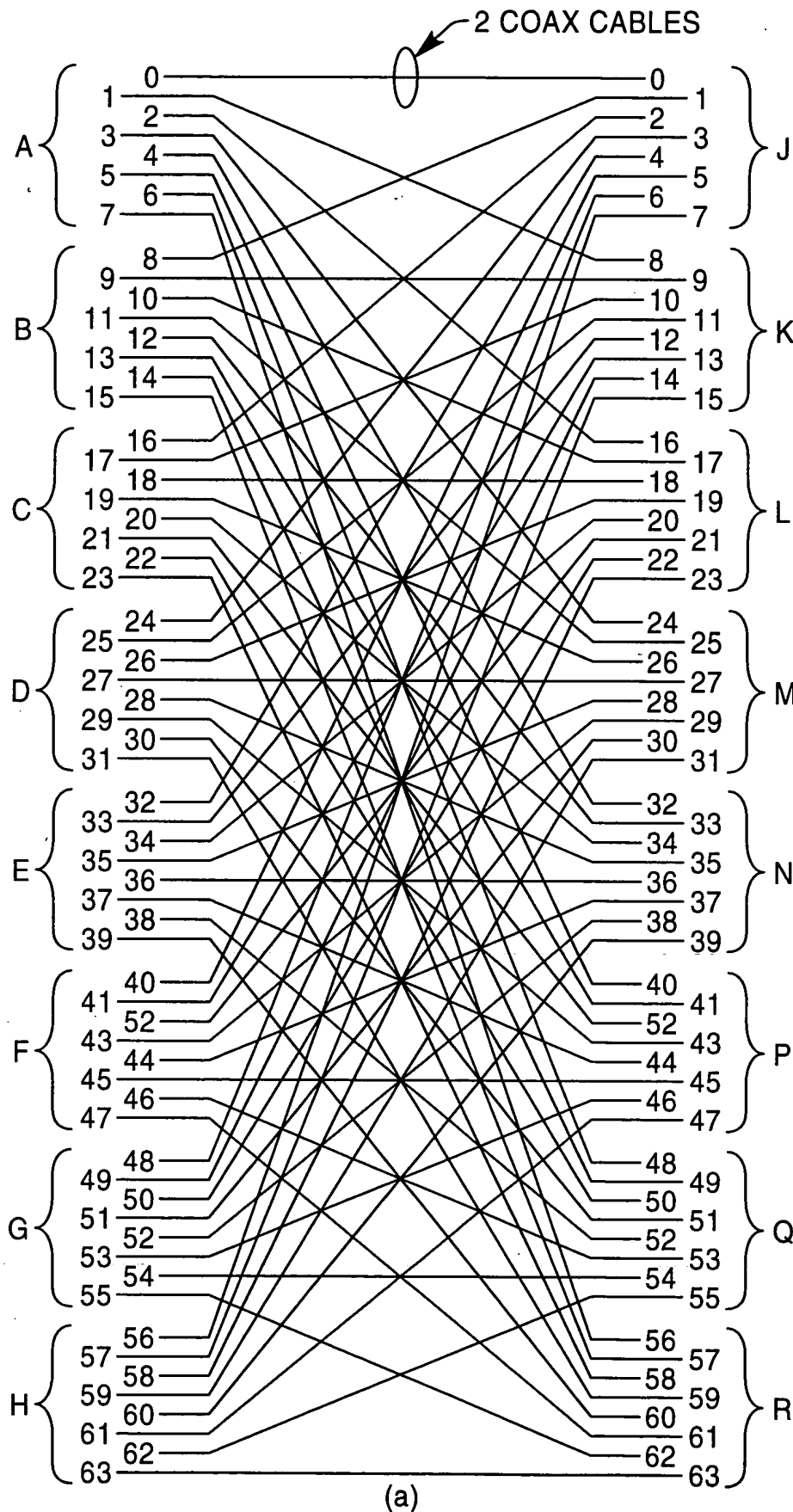
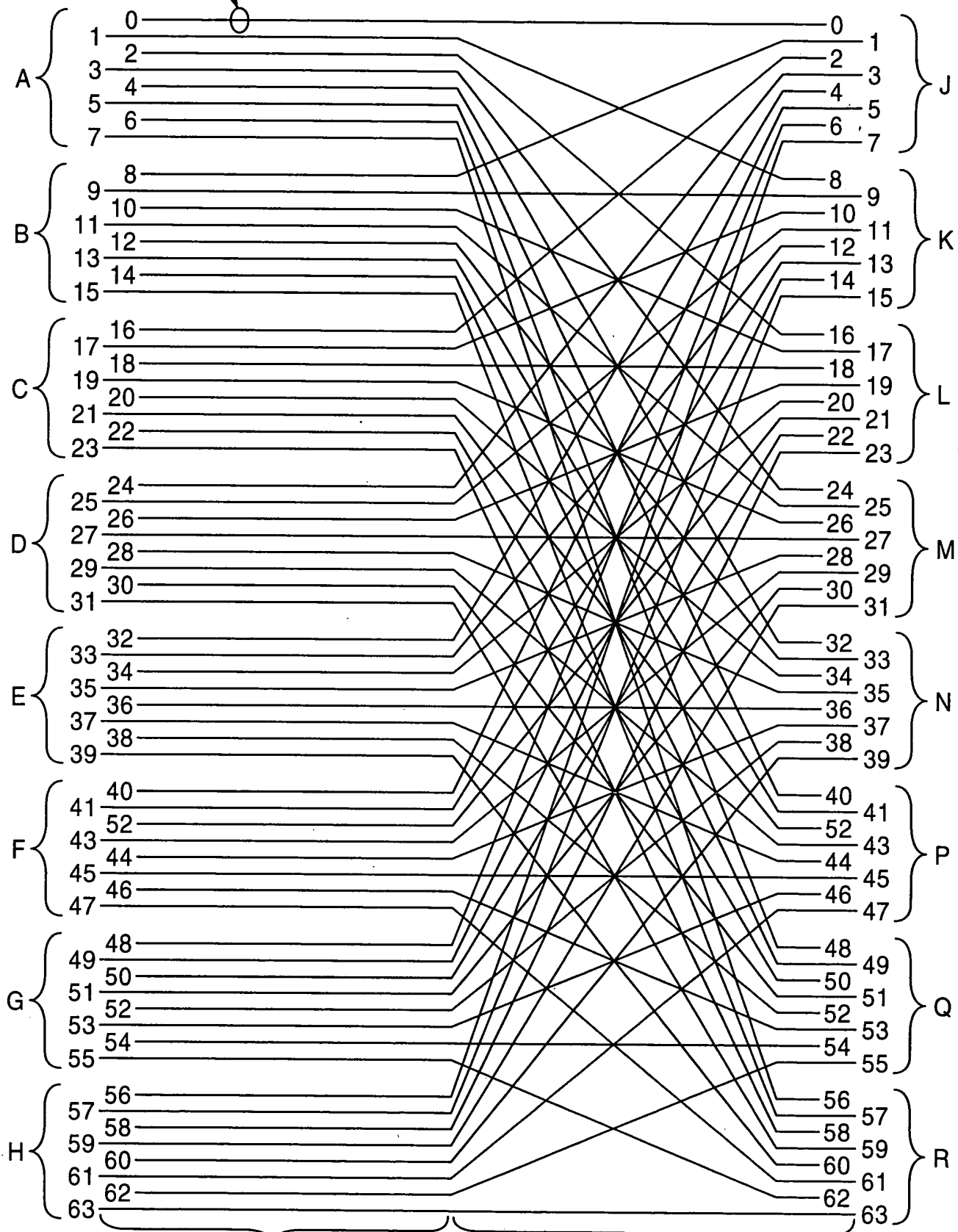


FIG. 13



2 COAX
CABLES

FIG. 14



EIGHT, 16-CABLE BUNDLES

WIRES EMBEDDED
IN THE BACKPLANE 180

FIG. 15

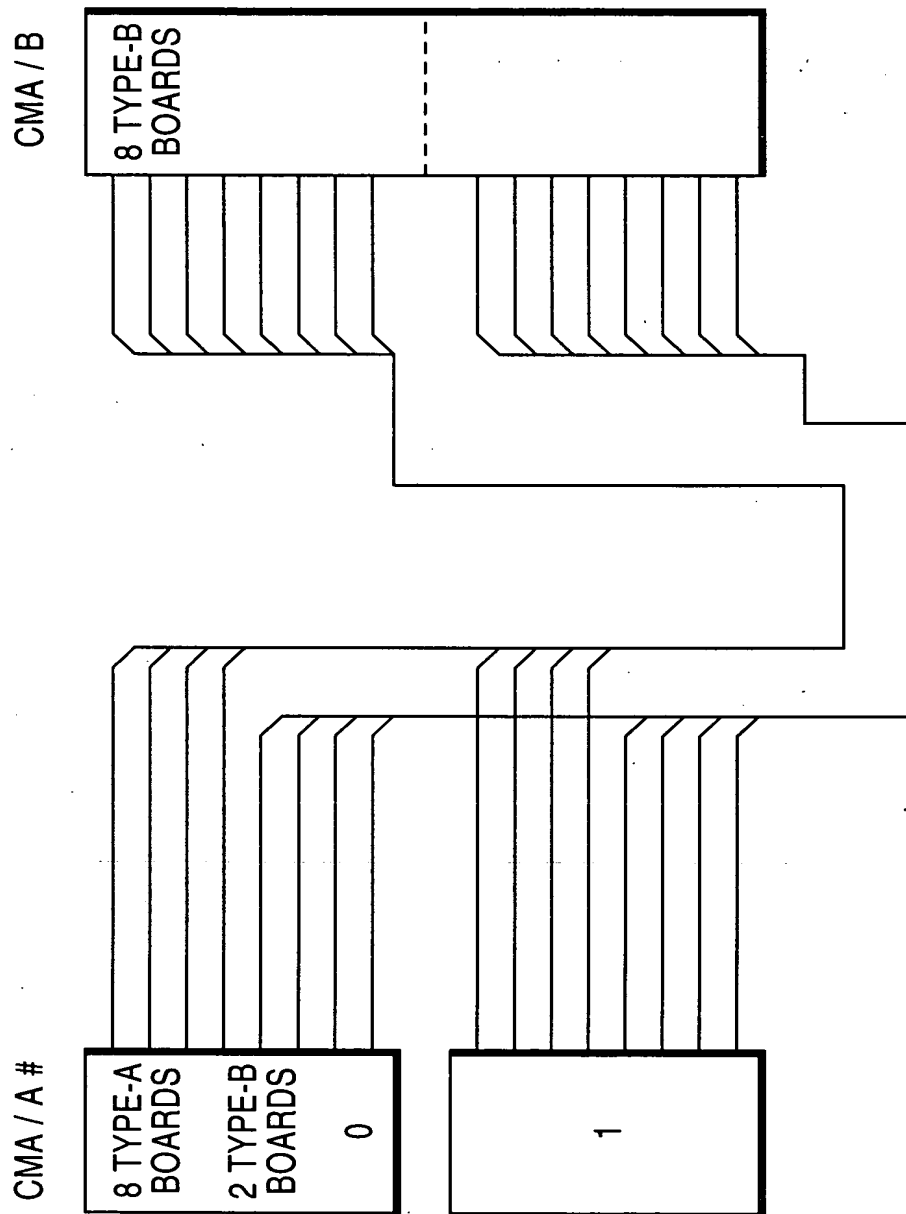


FIG. 16

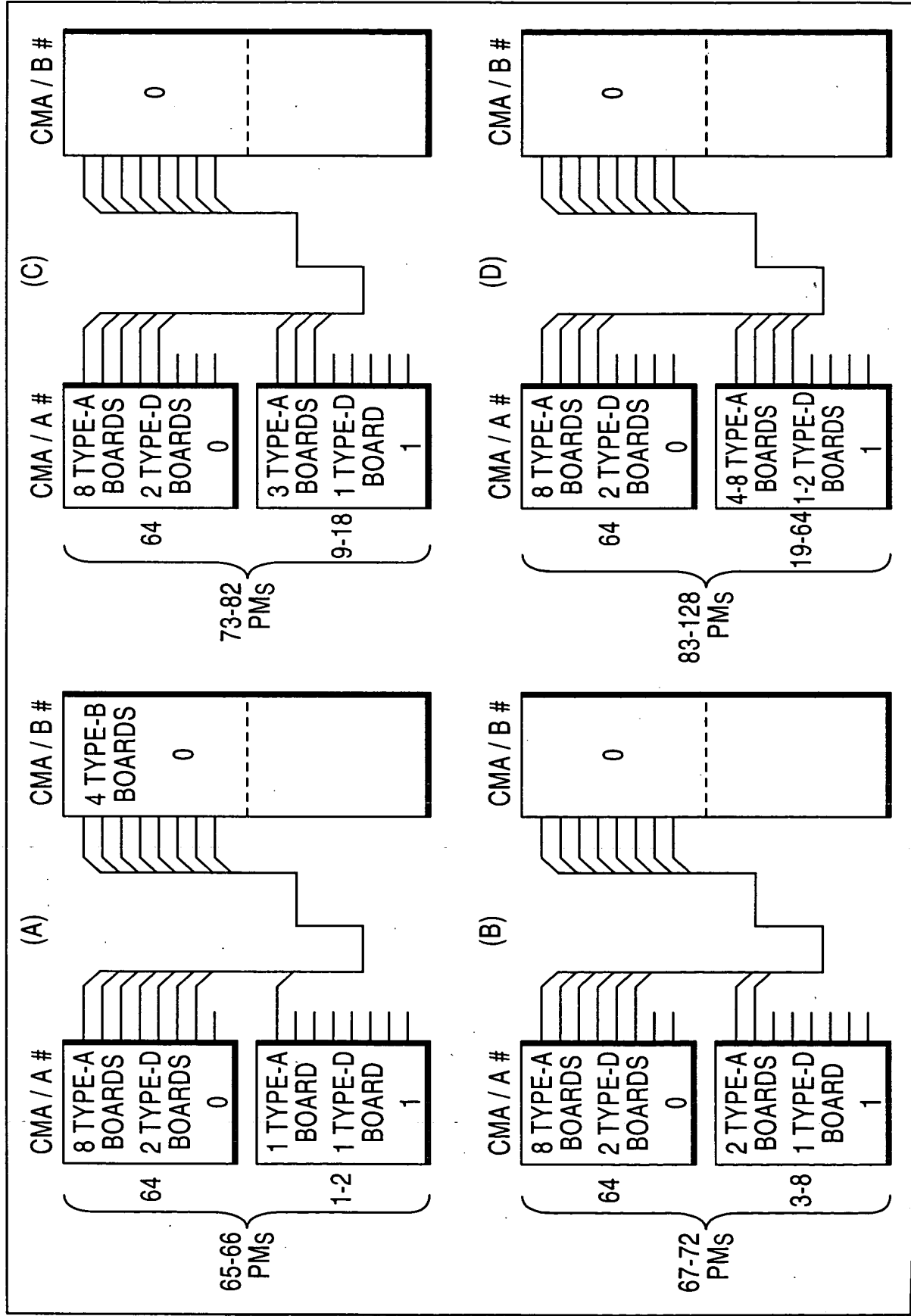


FIG. 17

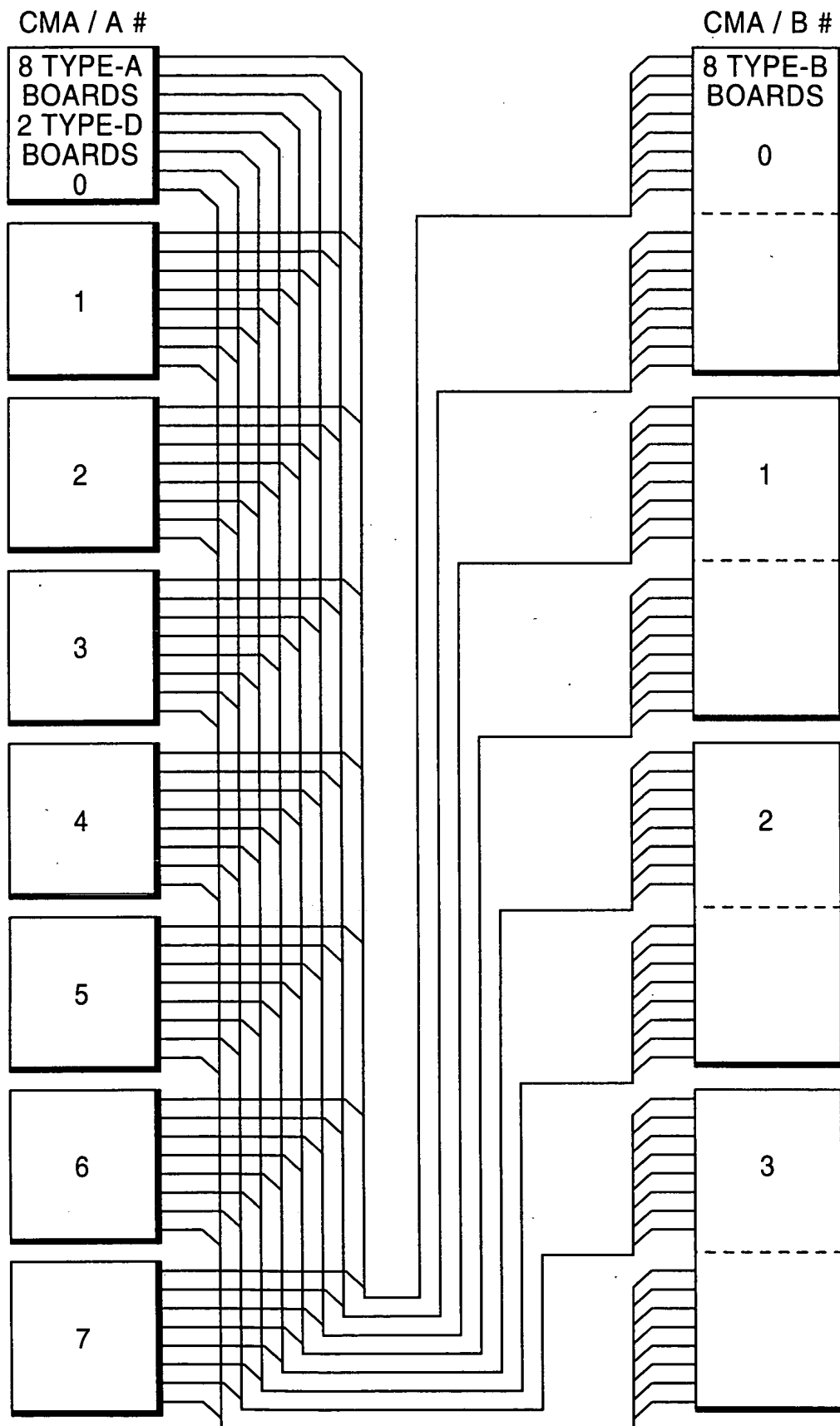


FIG. 18

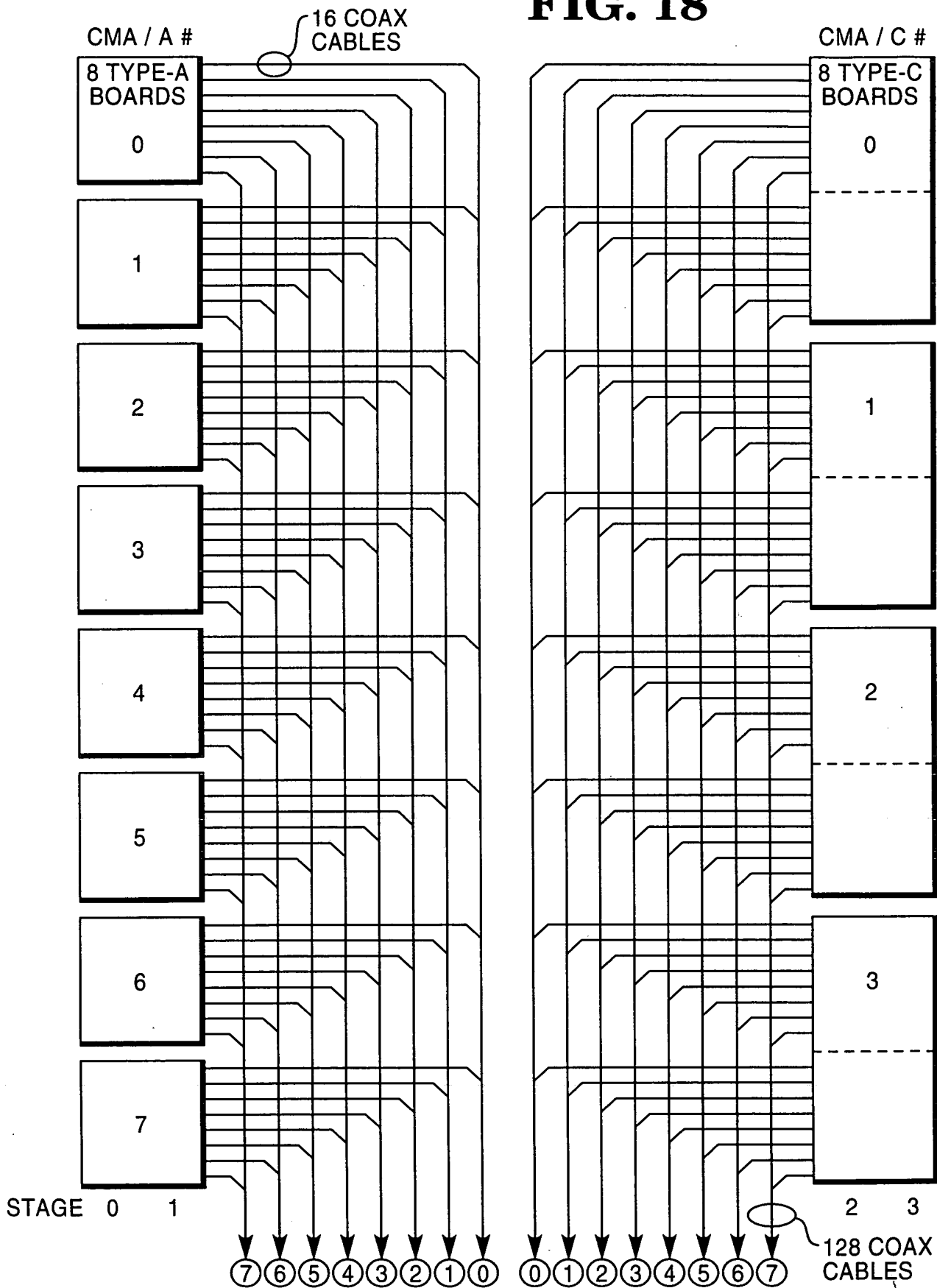


FIG. 19

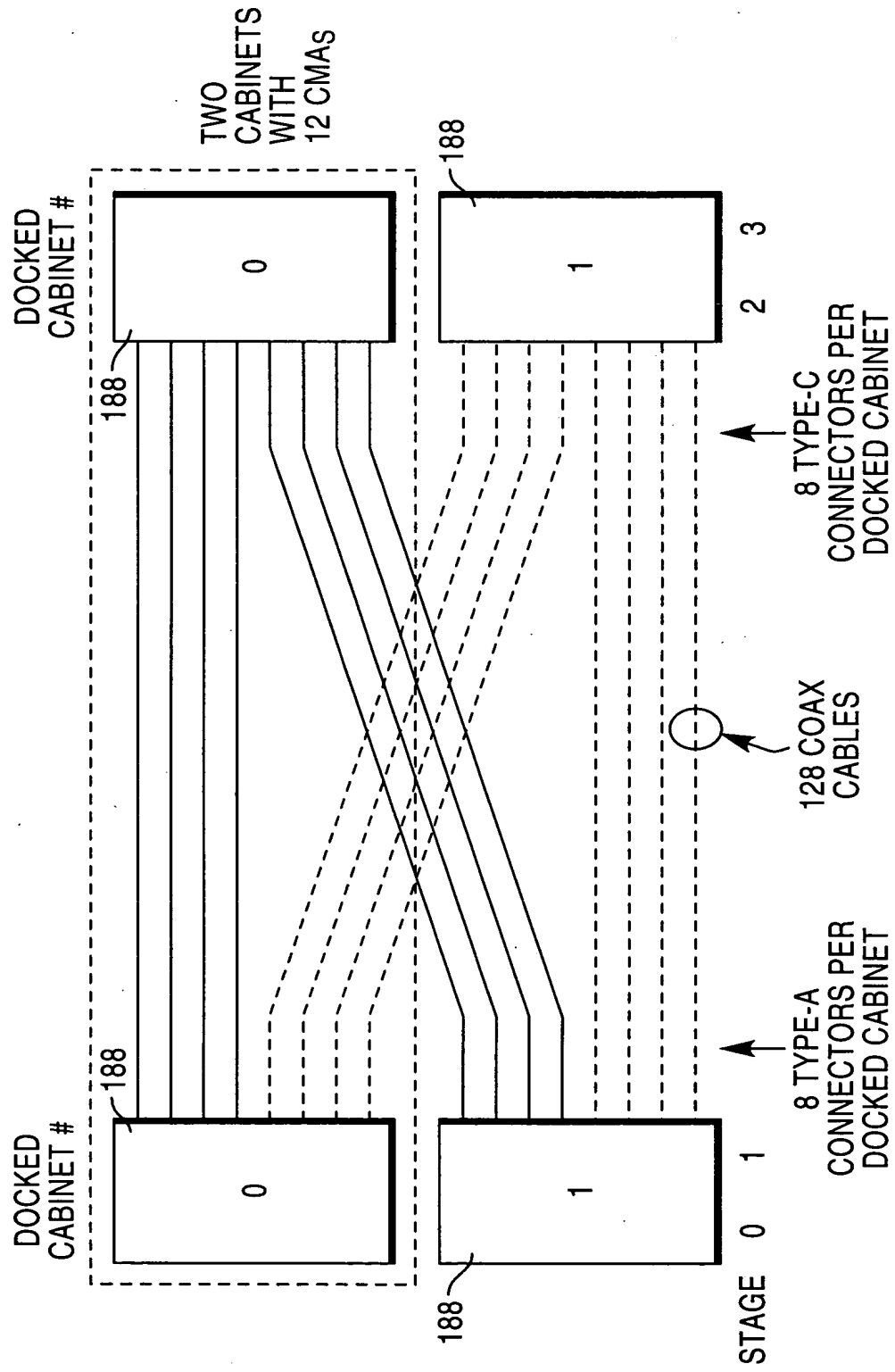


FIG. 20

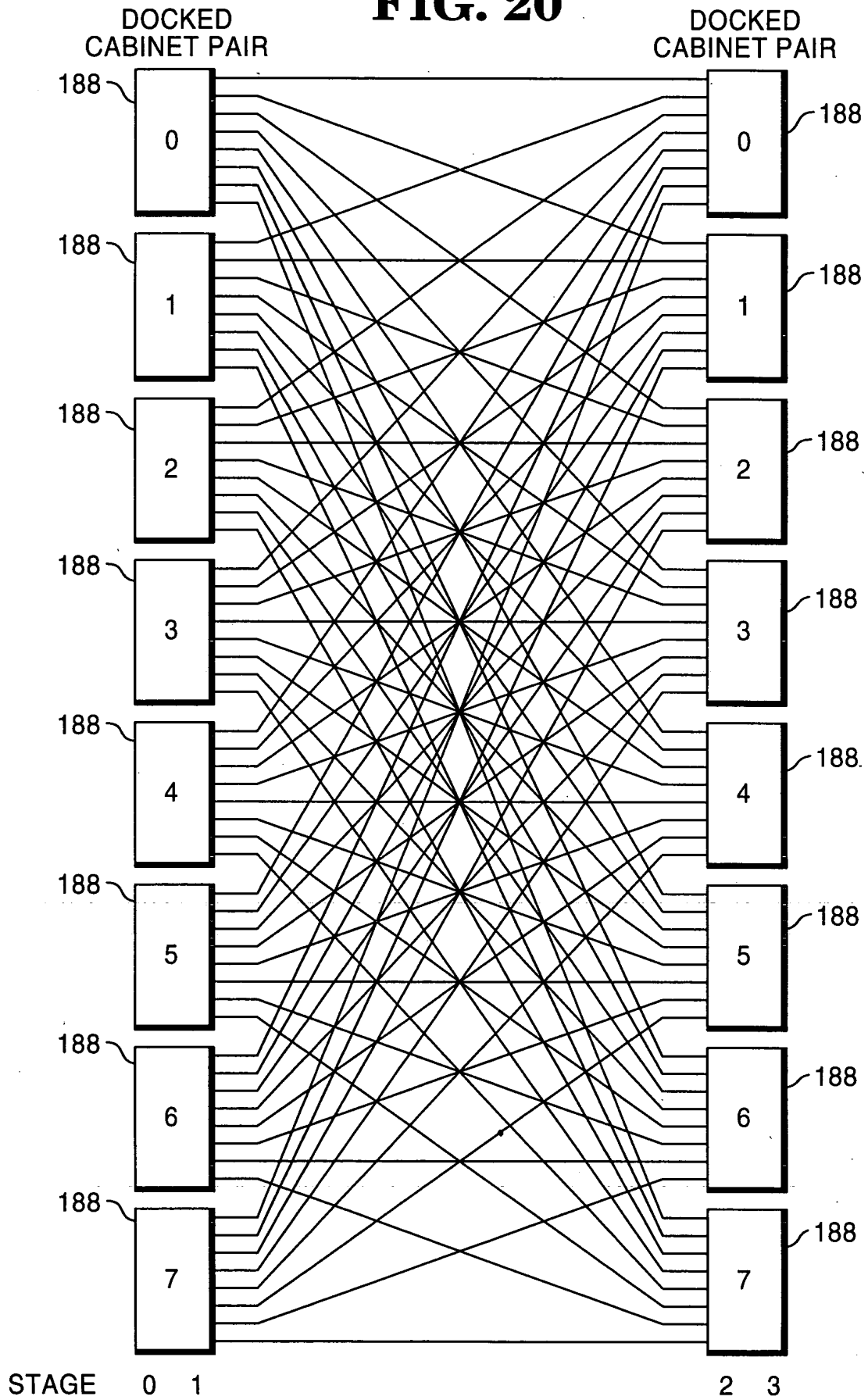


FIG. 21

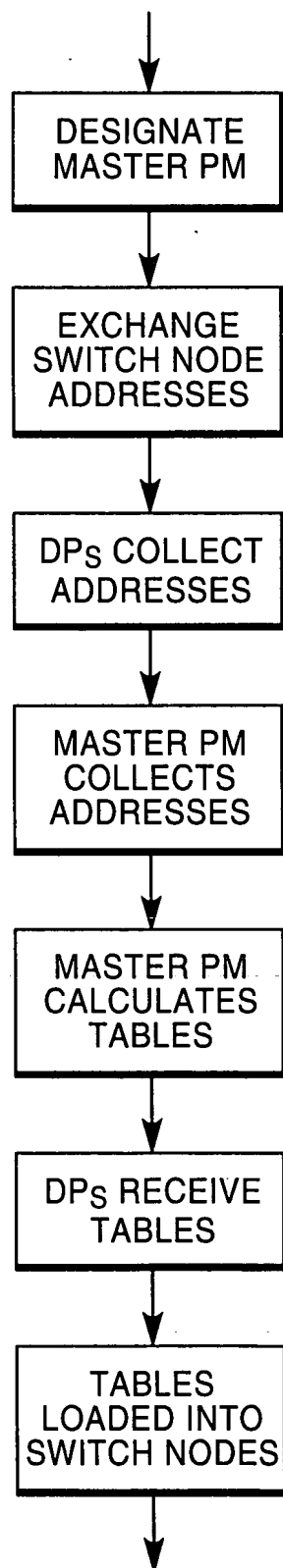


FIG. 22A

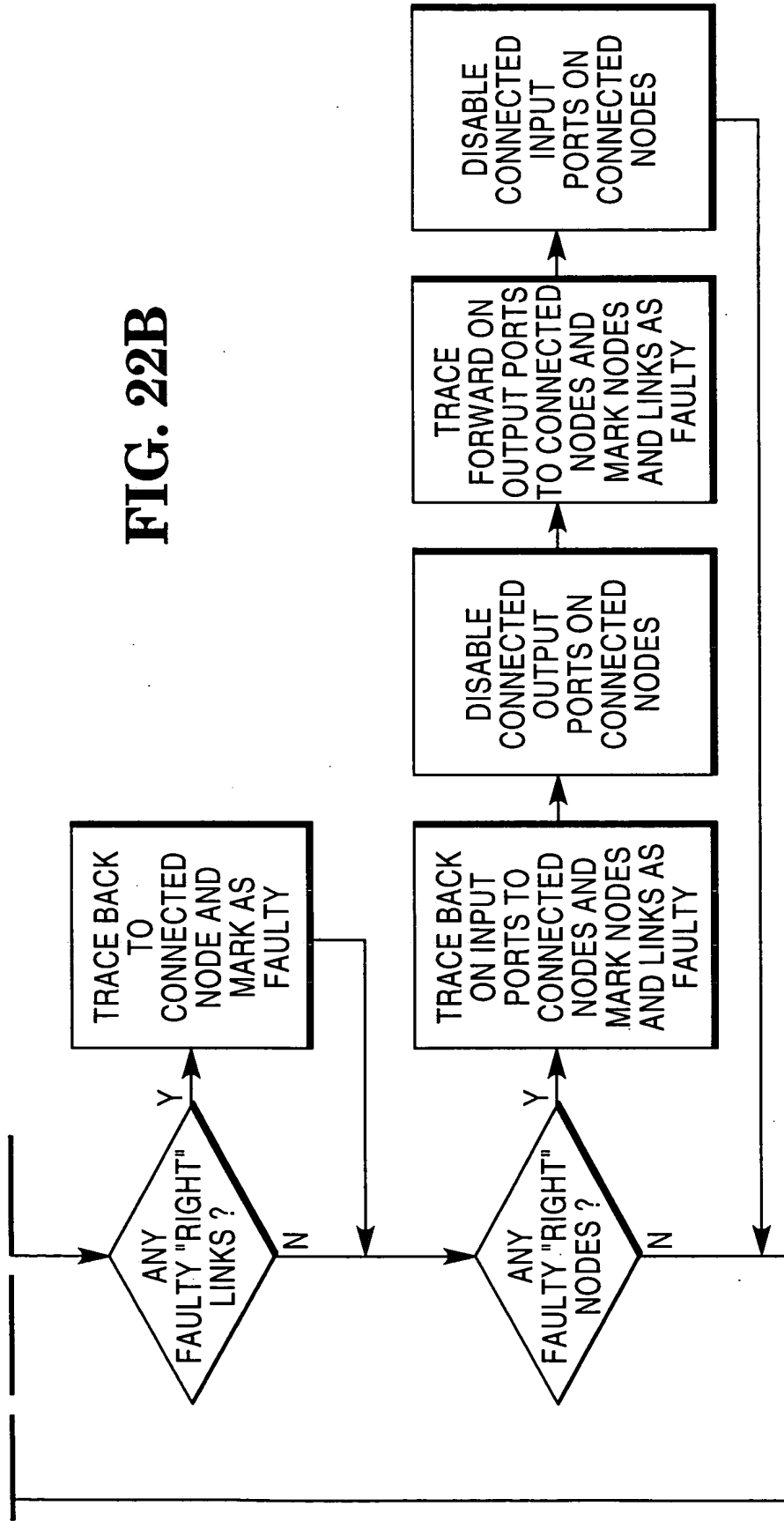


FIG. 23

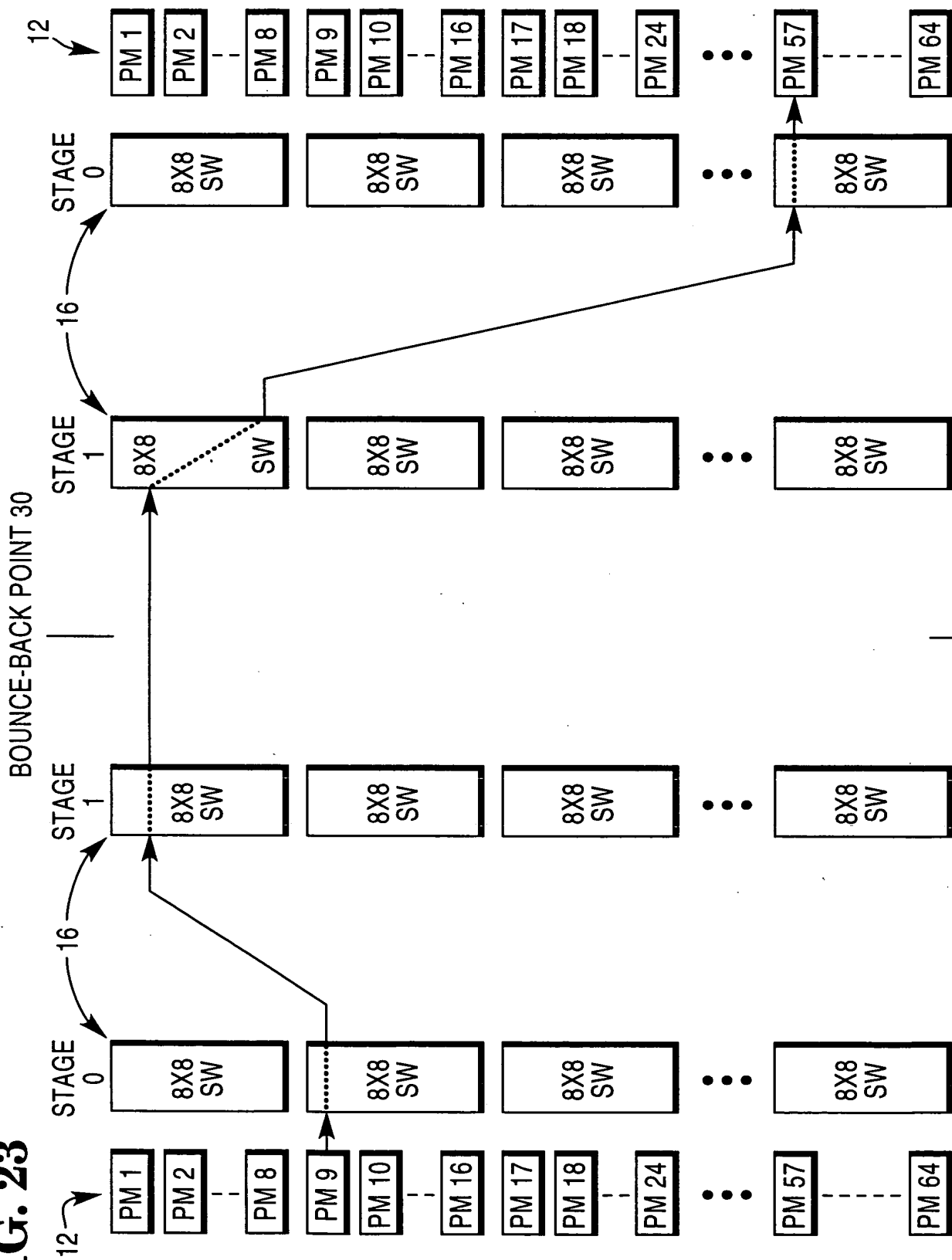
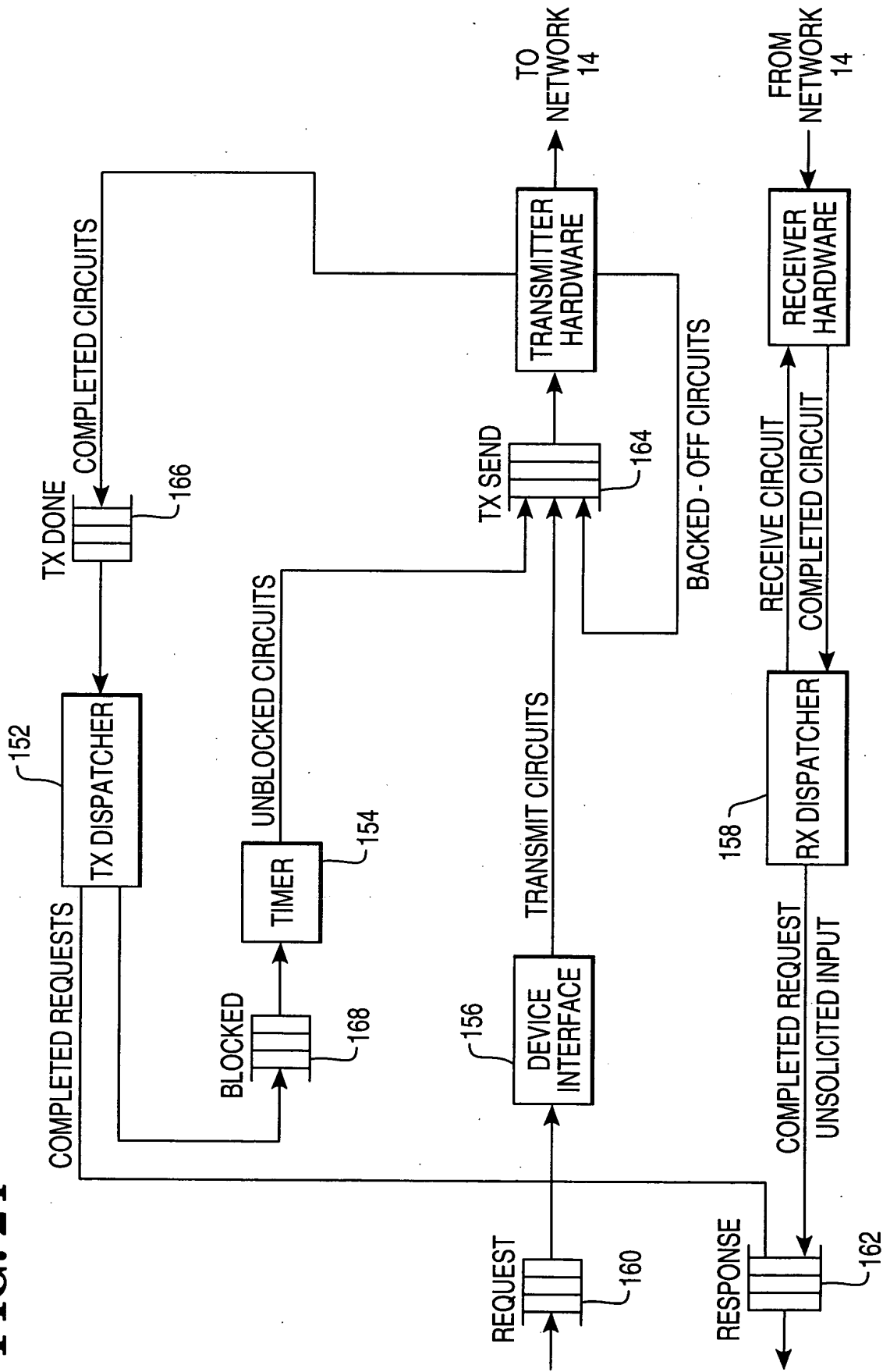


FIG. 24



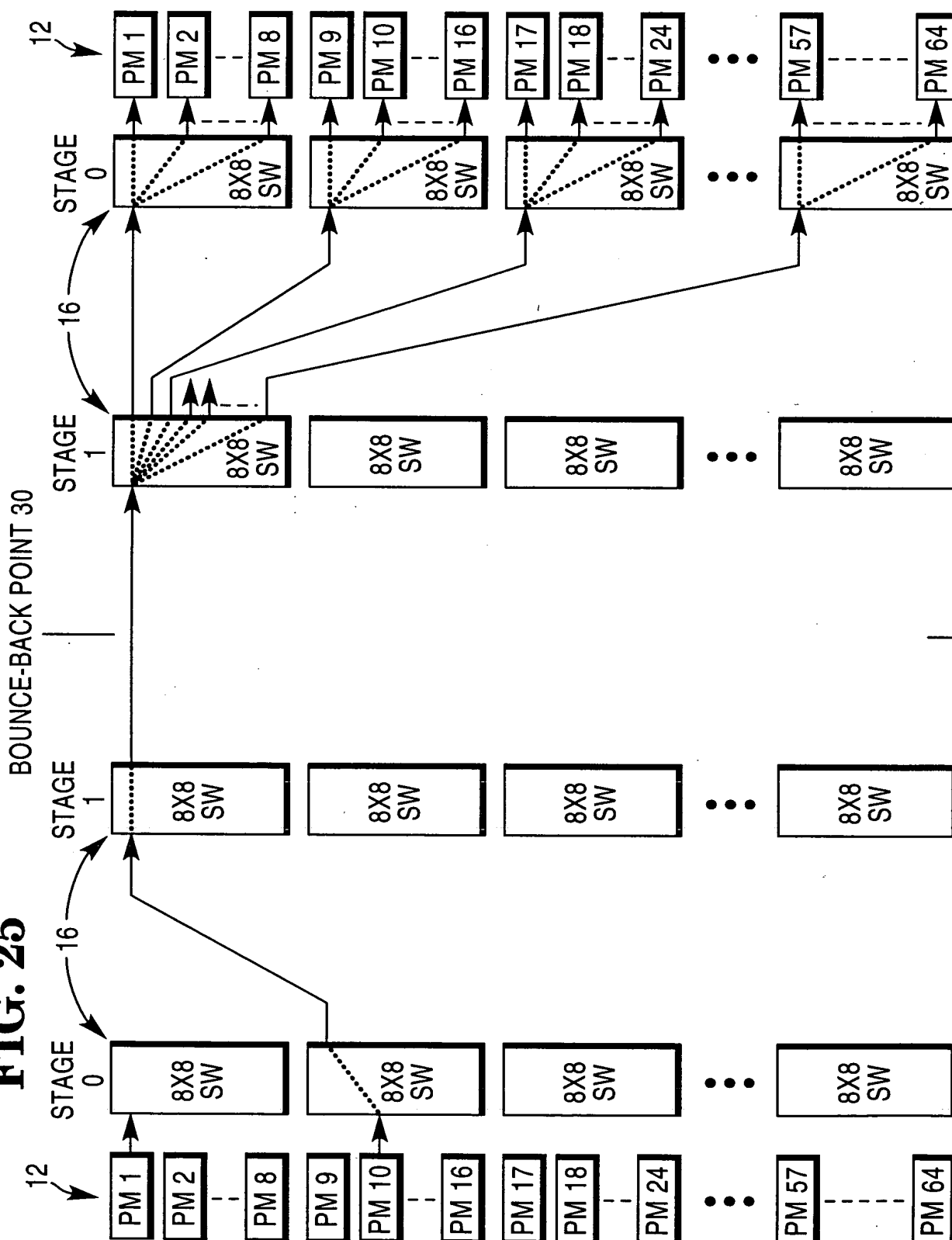


FIG. 26

